

# **Petroleum Marketing Monthly**

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**With Data for November 1999**

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# Preface

The *Petroleum Marketing Monthly* (PMM) provides information and statistical data on a variety of crude oils and refined petroleum products. The publication presents statistics on crude oil costs and refined petroleum products sales for use by industry, government, private sector analysts, educational institutions, and consumers. Data on crude oil include the domestic first purchase price, the f.o.b. and landed cost of imported crude oil, and the refiners' acquisition cost of crude oil. Refined petroleum product sales data include motor gasoline, distillates, residuals, aviation fuels, kerosene, and propane. The Petroleum Division, Office of Oil and Gas, Energy Information Administration ensures the accuracy, quality, and confidentiality of the published data in the *Petroleum Marketing Monthly*.

## Scope of Data

The data within the *Petroleum Marketing Monthly* are compiled from six Energy Information Administration (EIA) survey forms. The crude oil statistics are calculated from data collected on the following three survey forms: Form EIA-182, "Domestic Crude Oil First Purchase Report"; Form EIA-856, "Monthly Foreign Crude Oil Acquisition Report"; and Form EIA-14, "Refiners' Monthly Cost Report."

The statistics on petroleum product sales prices and volumes are derived from Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report" and Form EIA-782B, "Resellers'/Retailers' Monthly Petroleum Product Sales Report."

The data presented in Tables 48 to 50 are derived from aggregations of data from Form EIA-782C, "Monthly Report of Prime Supplier Sales of Petroleum Products Sold for Local Consumption."

## Sections

Monthly statistics on purchases of crude oil and sales of petroleum products are presented in the *Petroleum Marketing Monthly* in six sections:

- Initial Estimates
- Summary Statistics
- Crude Oil Prices
- Prices of Petroleum Products
- Volumes of Petroleum Products
- Prime Supplier Sales Volumes of Petroleum Products for Local Consumption.

The Initial Estimates section contains initial estimates for selected petroleum products. These initial estimates are forecasted based on their own past values as well as present and past values of other related time series. These initial estimates are being published earlier in an effort to respond to customer needs. They are replaced with the preliminary and final prices when they are available.

The publication highlights salient statistics for the United States in the Summary Statistics section. More detailed geographic coverage occurs in the other four sections. Geographic coverage for crude oil includes country of origin for foreign crude and Petroleum Administration for Defense (PAD) Districts and individual States for domestic crude oil. Geographic coverage of the petroleum products includes PAD Districts and individual States.

Detailed statistics for crude oil, including the price of imported crude oil by country of origin, by gravity, and by crude stream, can be found in the Crude Oil Prices section.

PAD District and/or State-level statistics for petroleum products are presented in the Prices, Volumes, and Prime Supplier Sales of Petroleum Products sections. To aid the reader in determining the market changes, the majority of the tables show data for the report month and previous month for the current year, and the report month for the previous year.

## Notes on the Tables

- For the crude oil statistics referencing Form EIA-182, United States includes the 50 States, the outer continental shelf, and the District of Columbia. For crude oil statistics referencing either Form EIA-14 or Form EIA-856, United States includes the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, and all American territories and possessions. For the petroleum products data, United States includes the 50 States and the District of Columbia.
- Prices exclude taxes. Refer to the Explanatory Notes for a tax table on motor fuels.
- Some of the tables use State abbreviations. Refer to the Explanatory Notes for a table of U.S. Postal State abbreviations.
- Sales of leaded gasoline are a component of averages and totals prior to October 1993.
- References to “Refiners” include gas plant operators (see the Glossary for definition of “Gas Plant Operators”). All tables whose titles do not specifically reference “Refiners” contain data from all sellers. “All Sellers” includes refiners, gas plant operators, resellers, and retailers.
- “Prime Supplier” refers to a firm that produces, imports, or transports any of the selected petroleum products across State boundaries and local marketing areas and sells the product to local distributors, local retailers, or end users.
- The category “Retail Outlet” refers to any company-operated outlet selling gasoline, on-highway low-sulfur diesel fuel, or propane for on-highway vehicle use (see Glossary).
- No. 2 distillate volumes and prices are classified in accordance with what the product was sold as, regardless of the actual specifications of that product (see definitions of No. 2 distillate in the Glossary).

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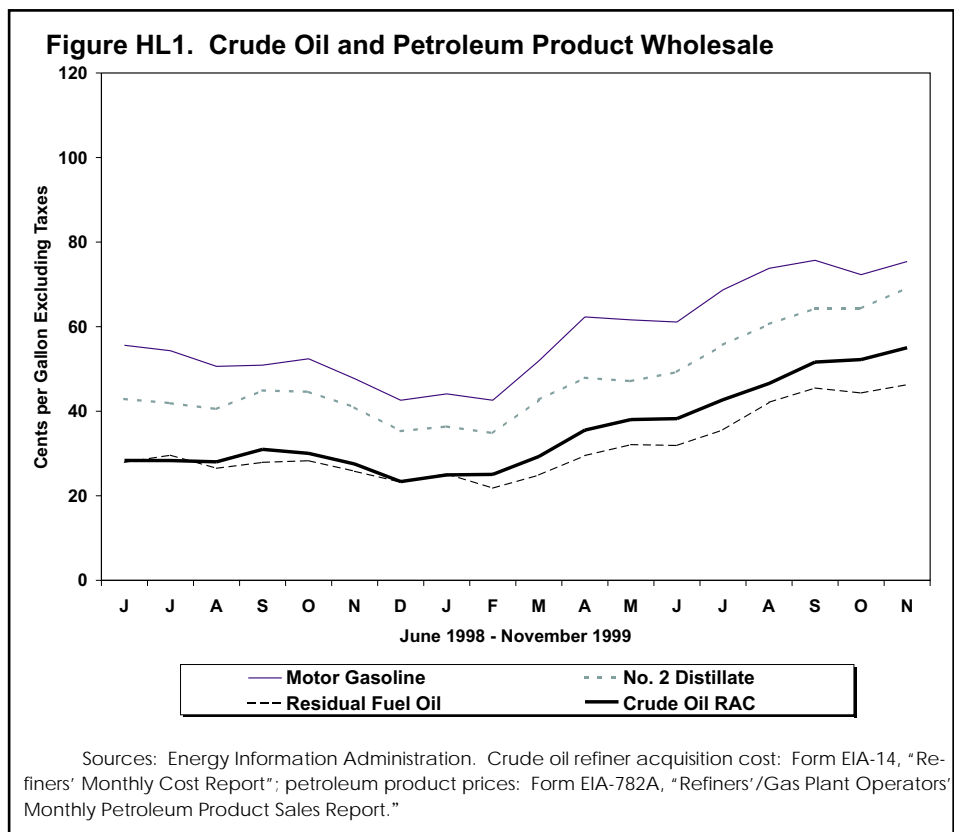
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# Highlights

International crude oil prices climbed considerably during November as a number of long and short term factors converged, allowing substantial increases to occur. During much of 1999, a shift in the supply and demand balance away from a saturated market to one where demand regularly exceeds supply has provided the foundation for prices to build. This transition is due in large part to Organization of Petroleum Exporting Countries (OPEC)-sponsored production cut agreements and robust demand from the flourishing U.S., and recovering Asian economies. Slated to end in March, several participants expressed interest in extending the production cuts past that date during November, providing more support to robust prices. Added impetus for rising prices came from disruptions to the U.N.-sponsored Iraqi "oil-for-food" program. The Iraqi government rejected a 2-week extension of phase VI of the program following the approval of resolution 1275 by the U.N. Security Council on November 19. Iraq objected to the resolution, saying it believed the decree was designed to help keep other Gulf War sanctions in place. Iraq halted oil exports on November 24. Elsewhere, civil unrest in Nigeria that disrupted oil production and exports during the first half of the month exacerbated the impact of Iraq's cessation of sales. The periodic outbreaks of civil strife in Nigeria are an outgrowth of the local communities in the country's main oil producing region demanding a larger portion of crude oil-generated revenue. Additionally, threats of a strike by oil workers in Venezuela and inclement weather in the Caribbean that disrupted production and transportation facilities in the region added pressure on prices in international markets.

In the United States, crude oil and finished product prices soared during November. Matters contributing to the sizable price increases ran the gamut from hurricanes to problems with pipelines and refineries to international political concerns. However, flourishing demand for refined products has underpinned the general growth trend in market prices over the last several months. Data show monthly demand for major refined products has usually been higher during 1999 than in 1998. Despite thinner refining margins and maintenance (scheduled and unscheduled) at various facilities, the rate of refinery utilization rose slightly in November. Forecasts for colder weather, especially on the East Coast and a late season hurricane in the Caribbean lifted prices at mid-month. Comparisons of year-on-year spot market prices for major products at New York Harbor clearly illustrate the change of atmosphere in the marketplace. The 1998 monthly average





**Table HL1. U.S. Refiner Prices and Volumes of Petroleum Products**

(Prices: Cents per Gallon Excluding Taxes, Volumes: Million Gallons per Day)

Products	Sales to End Users						Sales for Resale					
	November 1999		October 1999		November 1998		November 1999		October 1999		November 1998	
	Price	Volume	Price	Volume	Price	Volume	Price	Volume	Price	Volume	Price	Volume
<b>Motor Gasoline</b> .....	88.3	58.7	87.1	60.4	63.7	63.8	75.4	309.5	72.3	308.2	47.8	290.2
<b>Conventional</b> .....	86.0	34.2	84.7	35.7	60.6	38.5	72.6	199.5	68.8	199.7	43.5	189.9
Regular .....	82.2	24.5	80.7	25.4	56.3	26.4	70.6	155.6	66.8	155.2	41.3	142.9
Midgrade .....	92.3	5.3	91.3	5.6	66.3	6.3	76.9	14.8	73.2	14.7	47.8	15.2
Premium .....	99.1	4.4	98.7	4.6	73.8	5.9	80.9	29.2	76.7	29.9	51.6	31.8
<b>Oxygenated</b> .....	92.4	3.4	91.2	2.4	66.7	3.5	82.3	12.7	80.9	10.1	55.6	11.9
Regular .....	89.2	2.7	88.5	1.9	62.7	2.5	80.6	9.4	79.5	7.7	53.1	8.5
Midgrade .....	99.6	0.5	98.2	0.3	73.0	0.6	81.9	1.5	79.2	1.2	56.6	1.5
Premium .....	109.5	0.3	107.6	0.2	81.4	0.4	92.2	1.7	92.0	1.2	65.6	1.9
<b>Reformulated</b> .....	91.4	21.1	90.5	22.3	68.7	21.8	80.1	97.3	78.7	98.4	55.8	88.4
Regular .....	86.9	14.3	86.1	15.3	63.5	14.1	76.8	67.6	75.2	69.2	51.9	57.8
Midgrade .....	96.6	3.5	96.2	3.6	74.4	3.9	84.8	9.9	84.0	9.9	60.7	10.3
Premium .....	104.9	3.3	104.6	3.4	81.9	3.9	89.2	19.8	88.5	19.3	64.3	20.3
<b>Aviation Gasoline</b> .....	117.4	0.1	118.4	0.1	93.3	0.1	108.3	0.6	109.8	0.7	83.6	0.4
<b>Kerosene-Type Jet Fuel</b> .....	67.6	48.9	64.4	48.2	44.0	44.3	66.4	17.5	63.5	16.0	42.9	14.6
<b>Propane (Consumer Grade)</b> .....	52.6	3.6	55.6	2.8	42.3	2.7	42.4	36.0	43.7	34.8	27.7	34.2
<b>Kerosene</b> .....	81.1	0.2	75.7	0.1	44.4	0.7	73.3	1.8	64.8	2.4	44.2	2.6
<b>No. 1 Distillate</b> .....	81.2	0.3	77.3	0.2	56.2	0.5	79.3	2.7	75.1	1.8	49.5	2.7
<b>No. 2 Distillate</b> .....	71.5	24.6	67.4	25.2	47.0	23.3	69.2	125.2	64.3	126.0	40.9	117.7
No. 2 Fuel Oil .....	71.5	3.0	66.0	2.9	46.7	3.1	66.5	26.9	61.3	23.8	38.9	24.7
No. 2 Diesel Fuel .....	71.5	21.6	67.6	22.3	47.0	20.2	69.9	98.4	65.1	102.2	41.4	93.0
Low Sulfur .....	73.8	14.2	69.4	14.8	48.5	13.8	70.5	85.5	65.6	88.8	41.8	78.9
High Sulfur .....	67.2	7.3	64.1	7.4	43.8	6.4	65.9	12.9	61.5	13.4	39.3	14.1
<b>No. 4 Fuel<sup>a</sup></b> .....	57.7	0.3	56.2	0.2	43.3	0.3	63.7	0.1	52.3	0.2	36.8	0.2
<b>Residual Fuel Oil</b> .....	NA	NA	48.7	11.8	30.5	11.8	46.3	8.4	44.3	9.7	26.0	12.9
Sulfur Content not > 1 % .....	55.6	3.2	51.1	3.4	33.6	4.1	48.9	4.8	47.7	3.4	27.3	5.0
Sulfur Content > 1 % .....	NA	NA	47.7	8.3	28.9	7.7	42.8	3.6	42.5	6.3	25.1	8.0

NA = Not available.

<sup>a</sup> Includes No. 4 fuel oil and No. 4 diesel fuel.

Notes: Motor gasoline averages and totals prior to October 1993 include leaded gasoline.

Notes: Values shown for the current month are preliminary. Values shown for previous months are revised. Data are final upon publication in the *Petroleum Marketing Annual*.

Source: Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."

spot price for West Texas Intermediate crude oil was \$13.00 per barrel, while the November 1999 average price was nearly twice that at \$24.89 per barrel. The average spot price for regular gasoline was 37.2 cents per gallon in 1998 compared to 69.3 cents per gallon in November 1999. The 32.1 cents difference represents an 86 percent increase. For No. 2 heating oil, the average price last year was 35.9 cents per gallon and 64.6 cents per gallon in 1999.

Additional November market and sales activity for crude oil and the principal petroleum products are summarized in the following sections.

## Crude Oil

Pressure from political events and declining stock levels caused the daily spot price for West Texas Intermediate (WTI) crude oil at Cushing, Oklahoma to increase considerably during November. After opening at \$21.79 per barrel, the price rose solidly during the next several weeks as a variety of circumstances affected fundamental market conditions. Spurred by reports that Iraq would suspend participation in the U.N.-sponsored oil-for-food program, the price reached both the month's high and a new post-Persian Gulf War high of \$28.03 per barrel on November 22. The price dropped considerably following the long Thanksgiving weekend as concerns about Iraqi exports diminished and market technical factors came into play. Closing November at \$24.87 per barrel, the price

was \$3.08 per barrel higher than where it began the month.

- Monthly average crude oil prices for November show sizable changes from October levels. The average domestic crude oil first purchase price underwent the largest increase, rising \$1.61 (8.2 percent), to \$21.32 per barrel.
- The average free-on-board (f.o.b.) cost of imported crude oil increased \$1.16 (5.6 percent), to \$21.99 per barrel. The average landed cost of foreign crude oil rose \$1.01 (4.7 percent), to \$22.69 per barrel.
- The average refiner acquisition cost for domestic crude oil rose 68 cents (3.0 percent), to \$23.07 per barrel. The average cost of imported crude oil to U.S. refiners increased \$1.52 (7.0 percent), to \$23.14 per barrel. The composite refiner acquisition cost of crude oil climbed \$1.18 (5.4 percent), to \$23.11 per barrel.

## Petroleum Products

### *Motor Gasoline*

The daily spot price for unleaded regular gasoline at New York Harbor surged in November, animated principally by reports showing considerable declines in stock levels and problems at various refining facilities across the country. Opening the month at 62.1 cents per gallon, the price continued to rise with few interruptions over the coming weeks. The high of 75.8 cents per gallon, reached on November 24, also marked the highest level for the prices since August 1997. The price tumbled during the final two days of the month, closing November at 69.2 cents per gallon.

- November national average gasoline prices rose in all categories of sales, offsetting most of October's losses. The average price for retail sales of motor gasoline by refiners increased 1.2 cents to 88.3 cents per gallon, while the average wholesale price rose 3.1 cents to 75.4 cents per gallon. Including data reported by a sample of motor gasoline marketers, the national average retail price at company-operated retail outlets climbed 1.2 cents to 87.3 cents per gallon. The average wholesale price increased 3.0 cents to 75.5 cents per gallon. The average dealer tank wagon (DTW) price rose 1.7 cents to 83.2 cents per gallon, while the average rack price jumped 4.1 cents

to 73.7 cents per gallon. The average price for bulk sales increased 2.3 cents to 66.0 cents per gallon. Reformulated gasoline prices exceeded conventional gasoline prices by 4.5 cents at retail and 6.2 cents at wholesale. The difference between conventional and oxygenated gasoline prices was 7.4 cents at retail and 8.6 cents at wholesale.

- Refiner gasoline sales were generally down in November. Total sales declined 400,000 gallons per day (0.1 percent), to an average of 368.2 million gallons per day. Retail sales fell 1.7 million gallons per day (2.8 percent), while wholesales rose 1.3 million gallons per day (0.4 percent). Rack sales made up 63.2 percent of wholesales, while DTW and bulk sales accounted for 23.1 percent and 13.7 percent, respectively. Reformulated gasoline (RFG) comprised 32.2 percent of total motor gasoline sales, while oxygenated accounted for 4.4 percent.

### *No. 2 Distillate*

At New York Harbor, the November daily spot price for No. 2 heating oil remained in step with other products prices, rising considerably over the month. Opening at 57.2 cents per gallon, the price increased throughout the coming weeks, animated in large part by reports of declining stock levels. Like gasoline, the month's high of 69.5 cents per gallon, reached on November 24, also represented the highest level seen in more than two years. Closing at 64.0 cents per gallon, the price was approximately 6.8 cents higher than where it began November.

- November monthly average No. 2 distillate prices rose substantially in all categories of sales. Again the national average residential price showed the greatest amount of change, rising 5.2 cents to \$1.00 per gallon. The average wholesale price increased 4.5 cents to 68.9 cents per gallon. The average price for No. 2 diesel fuel at company-operated retail outlets climbed 3.8 cents, while the average wholesale price increased 4.7 cents. The difference between low- and high-sulfur diesel fuel prices was 5.3 cents at retail and 4.0 cents at wholesale.
- Except for No. 2 fuel oil sales, refiner sales of No. 2 distillates fell during November. Total sales of No. 2 distillate decreased 1.2 million gallons (0.8 percent), to 149.9 million gallons per day. Sales of No. 2 fuel oil increased 3.2 million gallons per day (12.0 percent), while sales of No. 2 diesel fuel declined 4.4 million gallons per day (3.5 percent). Low-sulfur diesel fuel accounted for 83.1 percent of all refiner diesel

fuel sales and 66.5 percent of all refiner No. 2 distillate sales.

### ***Residual Fuel Oil***

- November average residual fuel oil prices generally increased from October levels. Refiner prices for low-sulfur residual fuel climbed 4.5 cents to 55.6 cents per gallon at retail, and 1.2 cents to 48.9 cents per gallon at wholesale. The average high-sulfur residual fuel wholesale price inched up 0.3 cent to 42.8 cents per gallon. Including data reported by the sample of residual fuel oil marketers, the average low-sulfur price rose 2.0 cents to 52.5 cents per gallon at retail, and 1.1 cents to 49.2 cents per gallon at wholesale. The average retail price for high-sulfur residual fuel oil fell slightly, declining 0.4 cent to 48.3 cents per gallon.
- Refiner residual fuel oil sales were mixed in November. Low-sulfur residual fuel sales fell 200,000 gallons per day (5.9 percent) at retail, but rose 1.4 million gallons per day (41.2 percent) at wholesale.

High-sulfur residual fuel sales declined 2.7 million gallons per day (42.9 percent) at wholesale.

### ***Other Products***

- Prices for the remaining surveyed products generally increased during November. Refiner propane prices fell 3.0 cents per gallon at retail, and 1.3 cents per gallon at wholesale. Including data from a sample of propane marketers, the average residential propane price increased 4.3 cents per gallon. The average retail price for propane rose 3.4 cents, while the average wholesale price declined 2.0 cents per gallon. Prices for kerosene-type jet fuel, kerosene, No. 1 distillate, and No. 4 distillate rose at both retail and wholesale. Aviation gasoline prices declined at retail and wholesale.
- Refiner sales of these products varied during November. Propane, kerosene-type jet fuel, and No. 1 distillate sales rose at retail and wholesale, while sales of aviation gasoline declined at both levels. Kerosene and No. 4 distillate sales increased at retail, but decreased at wholesale.



# Initial Estimates

## **EIA Responds to Customer Requests for More Timely Data**

The Energy Information Administration (EIA) is publishing initial estimates for selected petroleum product prices within 3 weeks after the close of the reference month. Historically, estimates for petroleum product prices are published in the *Petroleum Marketing Monthly* approximately two to three months after the close of the reference period. In an effort to respond to customer needs, initial estimates for selected products are being published earlier. These initial estimates are replaced with the preliminary and final prices according to the current schedule.

The initial estimates are forecasted using autoregressive integrated moving average (ARIMA) transfer function models. Transfer function models are ARIMA models which use input data series as predictors. The initial estimates are calculated based on their own past values and present and past values of other related time series, such as spot prices and heating degree-days. At least 5 years of data are used to obtain the forecasts.

**Table IE1. Prices for Selected Crude Oil and Petroleum Products  
by Sales Type and PAD District**  
(Crude Oil in Dollars per Barrel, Products in Cents per Gallon Excluding Taxes)

Products Sales Type Geographic area	1998											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>Crude Oil</b>												
<b>Refiner Acquisition Cost</b>												
Domestic .....	15.85	14.74	13.48	13.42	13.42	12.38	12.36	12.44	13.35	13.39	12.47	10.48
Imported .....	14.33	13.32	12.34	12.81	12.61	11.61	11.55	11.34	12.77	12.11	10.99	9.39
Composite .....	15.04	13.98	12.84	13.06	12.95	11.94	11.90	11.77	13.01	12.61	11.56	9.81
<b>Motor Gasoline</b>												
<b>Sales to End Users Through Retail Outlets</b>												
<b>Regular</b>												
U.S. ....	68.4	64.7	61.9	63.5	66.6	65.8	64.6	61.8	60.5	61.1	58.3	53.8
PADD 1 .....	67.1	62.9	59.8	60.5	62.1	62.1	60.9	58.6	57.1	58.6	57.0	52.6
PADD 2 .....	64.5	63.5	62.8	64.8	68.2	66.8	65.8	61.8	60.5	61.0	56.5	50.5
PADD 3 .....	66.5	63.6	60.7	60.9	61.9	61.3	59.9	57.4	56.0	57.5	54.9	50.7
PADD 5 .....	80.1	71.2	64.7	68.0	75.3	73.8	71.8	70.9	69.5	68.7	67.4	66.5
<b>Sales for Resale</b>												
<b>Regular</b>												
U.S. ....	55.3	53.1	50.6	53.1	55.8	53.4	52.0	48.2	48.6	49.8	45.1	40.0
PADD 1 .....	55.8	53.1	50.6	52.6	54.2	51.8	50.0	46.8	47.5	49.4	44.6	39.4
PADD 2 .....	51.8	52.5	50.8	53.8	56.9	54.6	53.2	47.8	48.3	48.9	42.7	37.3
PADD 3 .....	51.7	49.7	47.4	48.8	50.6	48.3	47.1	42.5	43.0	45.5	39.8	34.6
PADD 5 .....	66.0	59.0	54.2	59.2	64.7	61.1	59.3	57.7	57.1	56.6	56.3	53.4
<b>No. 2 Distillate Fuel Oil</b>												
<b>Sales to End Users, Residential</b>												
U.S. ....	92.5	91.6	89.6	87.7	84.9	81.2	77.7	75.5	77.0	78.6	79.9	78.9
PADD 1 .....	93.5	92.8	90.8	88.6	85.9	82.1	78.4	76.1	77.6	79.1	80.6	79.6
PADD 2 .....	82.6	80.6	79.6	79.2	76.7	74.0	72.8	70.8	72.6	73.8	73.1	71.3
PADD 3 .....	66.2	64.7	62.3	63.0	61.2	W	56.2	55.1	59.8	57.9	55.6	51.9
PADD 5 .....	98.6	94.7	92.7	92.7	90.9	86.3	83.2	84.5	86.4	89.2	89.4	88.5
<b>Sales to End Users Through Retail Outlets<sup>b</sup></b>												
U.S. ....	66.0	63.2	61.1	61.5	61.7	59.0	57.9	56.2	58.2	58.7	56.6	52.3
PADD 1 .....	67.8	64.6	62.1	61.7	61.4	59.6	57.7	55.9	57.5	58.4	56.6	53.1
PADD 2 .....	63.9	61.8	60.5	60.9	60.6	58.0	56.9	54.9	57.6	58.1	55.8	50.9
PADD 3 .....	62.4	60.2	57.6	57.7	58.5	55.7	54.6	52.5	53.9	54.6	52.1	48.9
PADD 5 .....	76.2	70.7	66.3	69.3	70.6	66.5	66.7	67.4	68.4	67.6	65.5	62.7
<b>Sales for Resale</b>												
U.S. ....	51.0	49.4	46.9	48.5	47.3	43.9	42.7	41.3	45.5	45.2	41.8	36.6
PADD 1 .....	51.8	49.8	47.5	47.4	45.8	42.6	41.1	39.2	43.9	43.8	40.6	36.8
PADD 2 .....	48.8	49.4	47.2	49.1	47.9	44.5	43.6	41.9	46.6	46.1	42.3	36.1
PADD 3 .....	49.4	46.9	44.2	45.8	44.6	41.8	40.1	37.8	42.2	42.6	38.7	33.8
PADD 5 .....	54.5	50.9	47.5	53.2	52.3	47.5	47.8	48.9	50.3	49.5	48.9	42.0
<b>Kerosene-Type Jet Fuel</b>												
<b>Sales to End Users</b>												
U.S. ....	52.3	50.0	45.3	46.6	46.7	42.8	43.4	43.6	44.9	46.9	44.0	37.4
PADD 1 .....	51.4	50.0	45.6	46.2	45.9	43.1	43.6	41.6	43.9	46.5	43.7	36.2
PADD 2 .....	52.5	51.4	46.2	47.5	47.3	44.2	44.4	42.5	44.8	47.3	44.3	37.1
PADD 3 .....	49.2	48.1	43.3	44.1	44.0	41.1	41.6	40.1	42.3	44.4	41.0	33.6
PADD 5 .....	54.3	49.5	45.0	47.7	48.3	42.1	43.3	47.5	46.5	48.2	45.3	40.4
<b>Sales for Resale</b>												
U.S. ....	52.9	50.3	45.9	46.7	47.0	43.2	43.4	42.9	44.6	45.9	42.9	36.3
PADD 1 .....	52.8	51.2	47.0	47.6	47.3	44.4	44.7	43.2	44.8	46.8	44.5	35.9
PADD 2 .....	53.1	51.7	47.8	49.1	49.0	46.0	45.4	43.4	46.5	48.4	44.9	37.3
PADD 3 .....	49.9	48.3	43.6	43.6	44.0	40.9	41.0	39.1	41.5	43.3	40.5	33.6
PADD 5 .....	55.5	50.8	46.8	48.7	48.8	43.8	44.7	48.0	47.4	49.1	47.5	42.3
<b>Residual Fuel Oil</b>												
<b>Sales to End Users</b>												
U.S. ....	36.4	33.7	29.8	32.6	32.5	31.7	31.6	29.1	27.7	30.1	30.6	27.3
<b>Sales for Resale</b>												
U.S. ....	32.4	29.3	27.2	30.6	29.7	28.1	29.7	27.0	27.9	28.5	26.4	23.8

See footnotes at end of table.

**Table IE1. Prices for Selected Crude Oil and Petroleum Products  
by Sales Type and PAD District**

(Crude Oil in Dollars per Barrel, Products in Cents per Gallon Excluding Taxes) — Continued

Products Sales Type Geographic area	1999											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec <sup>a</sup>
<b>Crude Oil</b>												
Refiner Acquisition Cost												
Domestic .....	10.96	10.97	12.29	15.05	16.59	16.30	18.10	19.57	21.74	22.39	23.07	<b>24.72</b>
Imported .....	10.16	10.22	12.31	14.85	15.57	15.91	17.84	19.56	21.64	21.62	23.14	<b>24.17</b>
Composite .....	10.47	10.52	12.30	14.92	15.97	16.06	17.94	19.56	21.68	21.93	23.11	<b>24.44</b>
<b>Motor Gasoline</b>												
Sales to End Users Through Retail Outlets												
Regular												
U.S. ....	53.4	51.6	59.3	72.1	71.9	70.2	75.5	81.2	83.6	82.5	83.7	<b>86.0</b>
PADD 1 .....	51.1	49.1	53.9	64.7	66.4	65.6	70.5	76.8	80.5	82.1	82.9	<b>86.4</b>
PADD 2 .....	51.8	49.8	59.5	68.5	69.2	69.0	74.0	78.6	83.0	79.9	83.2	<b>84.5</b>
PADD 3 .....	49.5	48.4	54.6	64.6	65.6	64.5	69.7	74.8	78.9	79.7	79.7	<b>82.7</b>
PADD 5 .....	65.8	63.8	74.3	101.9	93.5	85.8	92.5	99.3	93.6	89.9	89.3	<b>91.9</b>
Sales for Resale												
Regular												
U.S. ....	41.6	40.1	49.6	59.7	58.8	59.0	66.4	71.4	73.5	70.1	73.1	<b>74.1</b>
PADD 1 .....	40.6	38.7	46.2	55.1	55.5	55.4	62.2	67.9	72.3	69.9	73.1	<b>75.2</b>
PADD 2 .....	40.3	38.2	49.0	57.4	57.3	57.3	64.2	68.6	72.4	67.5	72.2	<b>73.2</b>
PADD 3 .....	36.8	35.7	43.4	51.3	51.9	52.3	59.9	65.4	69.0	65.3	69.0	<b>70.3</b>
PADD 5 .....	51.8	51.2	65.5	86.0	76.6	76.3	85.8	88.1	80.8	79.8	79.7	<b>77.9</b>
<b>No. 2 Distillate Fuel Oil</b>												
Sales to End Users, Residential												
U.S. ....	80.4	79.8	80.9	82.9	82.1	80.8	81.6	83.5	90.1	94.8	100.0	<b>102.6</b>
PADD 1 .....	81.3	80.5	81.4	83.1	82.3	81.0	81.6	82.7	89.6	94.8	100.1	<b>102.8</b>
PADD 2 .....	71.7	71.1	73.8	76.5	75.3	74.4	77.9	84.5	89.8	92.6	97.6	<b>97.8</b>
PADD 3 .....	53.8	51.0	52.2	NA	59.5	NA	65.0	NA	73.8	NA	77.2	<b>75.3</b>
PADD 5 .....	87.1	87.1	93.6	104.3	101.1	103.2	103.0	NA	106.3	109.2	111.9	NA
Sales to End Users Through Retail Outlets <sup>b</sup>												
U.S. ....	51.5	50.3	55.0	63.2	63.0	63.6	68.8	73.7	77.5	78.8	82.6	<b>85.0</b>
PADD 1 .....	52.4	50.7	54.1	60.2	60.2	60.5	66.1	69.9	74.5	76.2	80.0	<b>83.1</b>
PADD 2 .....	50.6	49.1	54.1	62.5	62.3	62.3	67.7	73.0	77.9	79.4	83.5	<b>85.6</b>
PADD 3 .....	47.7	47.0	50.6	57.7	58.3	58.2	63.1	68.2	73.3	74.2	76.8	<b>82.1</b>
PADD 5 .....	61.7	61.8	70.0	82.3	77.8	83.7	86.4	90.9	85.4	86.3	91.6	<b>91.3</b>
Sales for Resale												
U.S. ....	37.7	36.0	43.3	48.2	47.4	49.9	56.0	60.9	64.6	64.4	68.9	<b>70.0</b>
PADD 1 .....	38.2	36.0	41.7	46.1	45.0	45.9	52.7	57.4	62.0	61.6	67.0	<b>69.4</b>
PADD 2 .....	37.4	35.7	43.4	49.6	48.1	48.9	55.4	61.3	66.7	66.9	71.0	<b>72.6</b>
PADD 3 .....	35.1	32.9	39.2	43.5	43.3	44.3	51.6	56.7	61.6	60.5	65.1	<b>67.8</b>
PADD 5 .....	41.2	41.5	54.8	59.0	57.3	67.9	69.0	73.0	68.5	70.8	76.5	<b>70.7</b>
<b>Kerosene-Type Jet Fuel</b>												
Sales to End Users												
U.S. ....	37.8	36.3	39.4	48.3	46.8	50.6	54.6	59.5	63.7	64.4	67.6	<b>72.3</b>
PADD 1 .....	36.3	34.9	38.8	45.7	45.5	NA	52.7	58.1	62.8	63.8	66.3	<b>72.1</b>
PADD 2 .....	37.8	36.0	39.4	46.8	46.3	NA	53.9	58.7	63.9	64.5	67.3	<b>72.6</b>
PADD 3 .....	35.3	33.9	36.9	43.6	42.7	43.6	50.3	55.4	59.8	59.9	63.1	<b>68.2</b>
PADD 5 .....	40.6	39.3	41.2	54.6	50.9	60.7	59.6	63.2	66.2	67.3	71.0	<b>74.3</b>
Sales for Resale												
U.S. ....	36.9	35.0	39.3	46.9	47.2	49.3	53.6	59.0	62.5	63.5	66.4	<b>71.8</b>
PADD 1 .....	36.9	34.9	39.9	47.3	46.8	47.1	53.2	58.0	63.0	62.7	66.1	<b>71.9</b>
PADD 2 .....	38.1	36.0	40.3	48.2	47.4	47.6	53.2	59.9	65.1	65.2	68.2	<b>73.6</b>
PADD 3 .....	34.9	31.8	36.9	42.6	43.0	42.8	50.1	56.2	59.4	61.0	63.4	<b>69.3</b>
PADD 5 .....	41.9	41.4	42.7	53.5	52.5	59.4	59.8	64.7	67.1	67.7	72.3	<b>75.0</b>
<b>Residual Fuel Oil</b>												
Sales to End Users												
U.S. ....	28.2	26.7	28.5	31.2	34.2	34.3	36.9	43.5	47.3	49.2	49.5	<b>48.0</b>
Sales for Resale												
U.S. ....	25.2	21.9	25.2	29.5	33.1	32.6	36.1	42.4	44.6	45.7	46.7	<b>45.3</b>

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

<sup>a</sup> Data are initial estimates calculated using prior history of the series as well as present and past values of other related time series, such as spot prices and heating degree days. For an explanation of estimation methodology, see the Explanatory Notes.

<sup>b</sup> Includes on-highway diesel fuel only.

Notes: Data are final upon publication in the *Petroleum Marketing Annual*.

Sources: Energy Information Administration Forms EIA-14, "Refiners' Monthly Cost Report," EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report," and EIA-782B, "Resellers'/Retailers' Monthly Petroleum Product Sales Report."





# Summary Statistics

**Table 1. Crude Oil Prices**  
(Dollars per Barrel)

Year Month	Domestic First Purchase Prices	Average F.O.B. <sup>a</sup> Cost of Crude Oil Imports <sup>b</sup>	Average Landed Cost of Crude Oil Imports <sup>b</sup>	Refiner Acquisition Cost of Crude Oil		
				Domestic	Imported	Composite
1978 .....	9.00	13.29	14.35	10.61	14.57	12.46
1979 .....	12.64	20.07	21.45	14.27	21.67	17.72
1980 .....	21.59	32.37	33.67	24.23	33.89	28.07
1981 .....	31.77	35.15	36.47	34.33	37.05	35.24
1982 .....	28.52	32.02	33.18	31.22	33.55	31.87
1983 .....	26.19	27.81	28.93	28.87	29.30	28.99
1984 .....	25.88	27.60	28.54	28.53	28.88	28.63
1985 .....	24.09	25.84	26.67	26.66	26.99	26.75
1986 .....	12.51	12.52	13.49	14.82	14.00	14.55
1987 .....	15.40	16.69	17.65	17.76	18.13	17.90
1988 .....	12.58	13.25	14.08	14.74	14.56	14.67
1989 .....	15.86	16.89	17.68	17.87	18.08	17.97
1990 .....	20.03	20.37	21.13	22.59	21.76	22.22
1991 .....	16.54	16.89	18.02	19.33	18.70	19.06
1992 .....	15.99	16.77	17.75	18.63	18.20	18.43
1993 .....	14.25	14.71	15.72	16.67	16.14	16.41
1994 .....	13.19	14.18	15.18	15.67	15.51	15.59
1995 .....	14.62	15.69	16.78	17.33	17.14	17.23
1996 .....	18.46	19.32	20.31	20.77	20.64	20.71
<b>1997</b>						
January .....	21.76	21.19	22.21	24.25	23.02	23.59
February .....	19.38	18.99	19.98	22.49	20.88	21.64
March .....	17.83	17.11	18.45	20.57	19.16	19.82
April .....	16.63	16.20	17.52	19.02	17.83	18.35
May .....	17.23	16.81	17.87	19.08	18.55	18.79
June .....	15.88	15.99	17.12	18.31	17.35	17.80
July .....	15.89	16.37	17.27	18.25	17.49	17.84
August .....	16.19	16.68	17.78	18.47	17.96	18.19
September .....	16.41	16.76	17.85	18.48	17.85	18.14
October .....	17.66	17.26	18.51	19.68	18.73	19.17
November .....	16.83	16.12	17.35	19.23	17.88	18.52
December .....	15.04	14.21	15.70	17.92	15.95	16.91
<b>1997</b> .....	<b>17.23</b>	<b>16.94</b>	<b>18.11</b>	<b>19.61</b>	<b>18.53</b>	<b>19.04</b>
<b>1998</b>						
January .....	13.45	12.78	14.12	15.85	14.33	15.04
February .....	12.17	11.69	13.08	14.74	13.32	13.98
March .....	11.15	11.08	12.40	13.48	12.34	12.84
April .....	11.28	11.17	12.33	13.42	12.81	13.06
May .....	11.13	11.33	12.26	13.42	12.61	12.95
June .....	10.00	10.12	11.25	12.38	11.61	11.94
July .....	10.44	10.37	11.41	12.36	11.55	11.90
August .....	10.20	10.21	11.32	12.44	11.34	11.77
September .....	11.29	11.70	12.44	13.35	12.77	13.01
October .....	11.32	10.99	11.96	13.39	12.11	12.61
November .....	9.64	9.37	10.47	12.47	10.99	11.56
December .....	8.03	8.18	9.30	10.48	9.39	9.81
<b>1998</b> .....	<b>10.87</b>	<b>10.76</b>	<b>11.84</b>	<b>13.18</b>	<b>12.04</b>	<b>12.52</b>
<b>1999</b>						
January .....	8.59	9.15	10.16	10.96	10.16	10.47
February .....	8.58	9.37	10.63	10.97	10.22	10.52
March .....	10.75	11.85	12.92	12.29	12.31	12.30
April .....	12.84	14.14	15.06	15.05	14.85	14.92
May .....	13.84	14.40	15.52	16.59	15.57	15.97
June .....	14.34	15.10	16.10	16.30	15.91	16.06
July .....	16.13	17.30	18.13	18.10	17.84	17.94
August .....	17.58	19.14	19.77	19.57	19.56	19.56
September .....	20.10	21.04	21.70	21.74	21.64	21.68
October .....	19.71	20.83	21.68	22.39	21.62	21.93
November .....	21.32	21.99	22.69	23.07	23.14	23.11
December <sup>c</sup> .....	NA	NA	NA	<sup>E</sup> 24.72	<sup>E</sup> 24.17	<sup>E</sup> 24.44

<sup>E</sup> = Estimated data.

<sup>a</sup> Free on Board. See Glossary.

<sup>b</sup> Values through 1980 reflect the month of reporting; values since then reflect the month of acquisition, which can be the month of loading, the month of landing, or sometime between those events. Prices for crude oil can be determined at a time other than the acquisition date. See the Explanatory Notes section for additional detail.

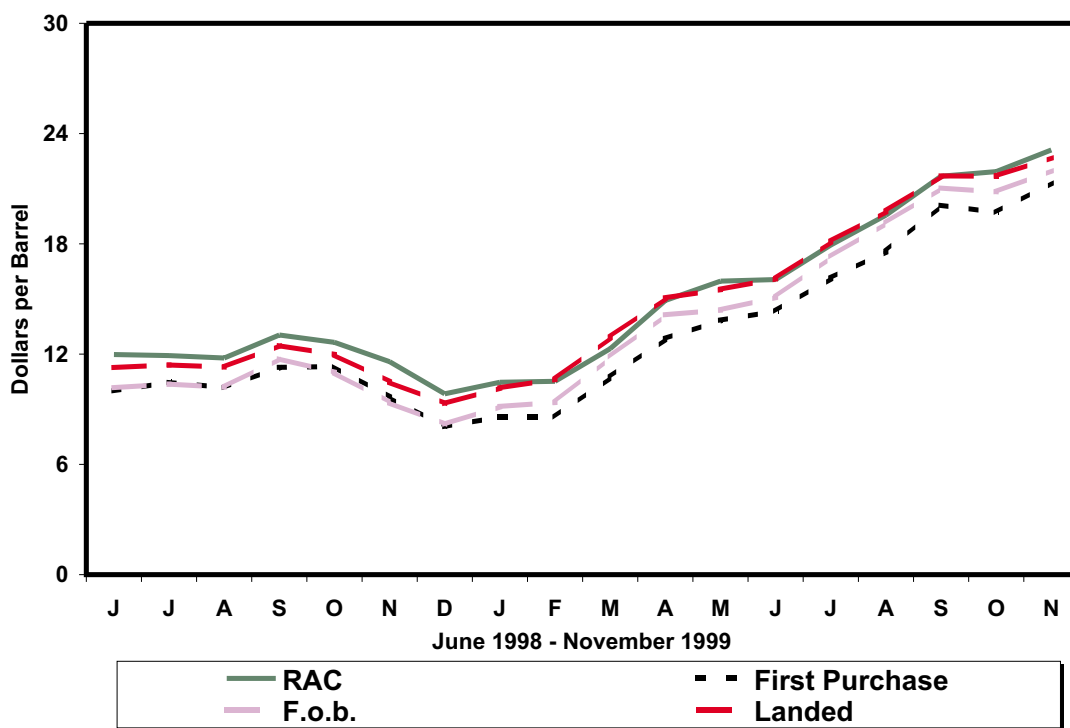
NA = Not available.

<sup>c</sup> Data are initial estimates calculated using prior history of the series as well as present and past values of other related time series, such as spot prices and heating degree days. For an explanation of estimation methodology, see the Explanatory Notes.

Notes: Values for Domestic First Purchase and Refiner Acquisition for the current 2 months, and for Average F.O.B. and Average Landed for current 3 months are preliminary. Values shown for previous months are revised. Data are final upon publication in the *Petroleum Marketing Annual*.

Sources: Domestic first purchase prices -- See "Sources" from Table 21. Crude oil imports costs -- See "Sources" from Table 24. Refiner acquisition costs -- Energy Information Administration, Form FEA-P110-M-1, "Refiners' Monthly Cost Allocation Report," January 1978 through June 1978; Form ERA-49, "Domestic Crude Oil Entitlements Program Refiners' Monthly Report," July 1978 through December 1980; Form EIA-14, "Refiners' Monthly Cost Report," January 1981 to present.

**Figure 1. Crude Oil Prices**



Sources: Energy Information Administration, Form EIA-182, "Domestic Crude Oil First Purchase Report"; Form EIA-856, "Monthly Foreign Crude Oil Acquisition Report"; and Form EIA-14, "Refiners' Monthly Cost Report."

**Table 2. U.S. Refiner Prices of Petroleum Products to End Users**

(Cents per Gallon Excluding Taxes)

Year Month	Motor Gasoline	Aviation Gasoline	Kerosene- Type Jet Fuel	Propane (Consumer Grade)	Kerosene	No. 1 Distillate	No. 2 Distillate			No. 4 Fuel <sup>a</sup>	Residual Fuel Oil
							No. 2 Diesel Fuel	No. 2 Fuel Oil	Average		
1978 .....	48.4	51.6	38.7	33.5	42.1	41.0	37.7	40.0	39.6	31.1	29.8
1979 .....	71.3	68.9	54.7	35.7	58.5	57.2	58.5	51.6	55.1	47.9	43.6
1980 .....	103.5	108.4	86.8	48.2	90.2	83.4	81.8	78.8	80.4	68.2	60.7
1981 .....	114.7	130.3	102.4	56.5	112.3	103.9	99.5	91.4	95.8	79.7	75.6
1982 .....	106.0	131.2	96.3	59.2	108.9	102.3	94.2	90.5	92.5	75.0	67.6
1983 .....	95.4	125.5	87.8	70.9	96.1	96.2	82.6	91.6	83.9	76.6	65.1
1984 .....	90.7	123.4	84.2	73.7	103.6	92.7	82.3	91.6	83.7	79.6	68.7
1985 .....	91.2	120.1	79.6	71.7	103.0	88.0	78.9	84.9	79.9	77.3	61.0
1986 .....	62.4	101.1	52.9	74.5	79.0	62.0	47.8	56.0	49.1	48.9	34.3
1987 .....	66.9	90.7	54.3	70.1	77.0	60.4	55.1	58.1	55.6	51.3	42.3
1988 .....	67.3	89.1	51.3	71.4	73.8	56.4	50.0	54.4	50.7	46.1	33.4
1989 .....	75.6	99.5	59.2	61.5	70.9	66.1	58.5	58.7	58.5	51.2	38.5
1990 .....	88.3	112.0	76.6	74.5	92.3	81.9	72.5	73.4	72.6	62.2	44.4
1991 .....	79.7	104.7	65.2	73.0	83.8	74.0	64.8	66.5	65.0	58.0	34.0
1992 .....	78.7	102.7	61.0	64.3	78.8	66.6	61.9	62.7	62.0	52.6	33.6
1993 .....	75.9	99.0	58.0	67.3	75.4	66.6	60.2	60.2	60.2	50.1	33.7
1994 .....	73.8	95.7	53.4	53.0	66.0	64.0	55.4	57.2	55.6	50.1	35.2
1995 .....	76.5	100.5	54.0	49.2	58.9	62.0	56.0	56.2	56.0	50.5	39.2
1996 .....	84.7	111.6	65.1	60.5	74.0	72.6	68.1	67.3	68.0	60.3	45.5
1997 .....											
January .....	86.6	113.7	74.4	86.1	88.7	77.3	73.0	75.1	73.3	65.8	49.5
February .....	85.9	114.9	71.7	66.8	84.8	76.0	71.1	72.5	71.3	59.6	45.2
March .....	84.0	113.8	61.9	57.3	NA	68.8	65.8	66.4	65.8	54.6	40.3
April .....	83.9	114.7	60.2	49.7	69.8	66.3	64.8	63.8	64.7	55.9	39.7
May .....	84.5	115.7	58.9	46.5	68.5	64.2	63.8	62.9	63.7	53.4	40.3
June .....	83.3	114.6	57.6	46.1	64.5	62.8	60.8	59.2	60.6	52.8	40.1
July .....	81.5	NA	56.7	47.5	63.1	58.6	59.4	57.3	59.1	50.3	39.6
August .....	86.8	114.6	59.1	50.5	64.9	61.8	61.8	59.0	61.5	51.6	40.7
September .....	87.2	115.6	58.2	48.4	63.4	61.1	60.7	58.4	60.4	51.1	41.3
October .....	84.3	113.9	61.5	52.3	72.9	66.8	64.5	63.2	64.3	55.5	43.9
November .....	81.6	113.0	61.2	52.2	77.9	70.1	65.2	64.2	65.0	58.2	45.7
December .....	77.8	107.7	56.3	51.8	75.1	63.8	60.1	59.7	60.1	56.1	40.2
1997 .....	83.9	112.8	61.3	55.2	74.5	68.9	64.2	63.6	64.2	56.5	42.3
1998 .....											
January .....	73.2	104.3	52.3	48.4	71.8	58.5	54.9	54.1	54.8	50.9	35.4
February .....	69.0	100.8	50.0	44.7	68.2	57.7	53.3	53.8	53.3	48.7	32.7
March .....	65.5	98.4	45.3	43.8	65.3	55.9	50.8	53.8	51.1	46.0	28.6
April .....	67.7	99.3	46.6	41.5	56.7	56.2	52.0	53.0	52.1	43.8	31.8
May .....	71.4	101.1	46.7	36.2	56.0	NA	51.7	48.3	51.2	43.6	31.9
June .....	70.7	99.1	42.8	34.1	44.7	NA	48.4	45.7	48.0	40.8	31.3
July .....	69.4	98.5	43.4	35.8	47.4	NA	47.6	44.6	47.2	38.4	31.5
August .....	66.7	95.9	43.6	33.5	41.5	NA	46.3	43.1	45.8	36.2	28.7
September .....	65.5	94.1	44.9	37.4	46.2	NA	49.4	47.2	49.2	39.9	27.6
October .....	66.4	95.1	46.9	40.7	50.9	57.8	50.0	47.9	49.7	43.1	29.7
November .....	63.7	93.3	44.0	42.3	44.4	56.2	47.0	46.7	47.0	43.3	30.5
December .....	59.7	88.7	37.4	36.2	42.4	50.1	41.8	43.6	42.0	39.4	26.8
1998 .....	67.3	97.5	45.2	40.5	50.1	55.1	49.4	48.2	49.2	42.8	30.5
1999 .....											
January .....	59.2	87.0	37.8	42.5	47.2	NA	41.4	45.2	42.1	39.4	27.2
February .....	56.8	85.0	36.3	39.3	46.8	NA	40.3	40.4	40.3	38.6	25.8
March .....	65.1	89.7	39.4	41.1	50.4	NA	46.0	46.0	46.0	40.2	27.5
April .....	79.0	101.3	48.3	45.1	48.9	NA	52.5	49.9	52.2	43.5	30.9
May .....	78.2	103.5	46.8	42.4	49.5	NA	52.1	NA	51.5	NA	34.6
June .....	75.6	103.3	50.6	38.7	46.3	NA	53.3	NA	52.5	43.1	34.3
July .....	80.6	110.0	54.6	41.1	58.2	59.9	59.0	53.6	58.3	46.3	36.1
August .....	86.5	114.8	59.5	43.1	62.4	67.8	64.2	58.9	63.5	50.6	43.6
September .....	88.8	117.7	63.7	48.4	68.0	74.4	67.2	64.4	66.9	54.4	48.3
October .....	87.1	118.4	64.4	55.6	75.7	77.3	67.6	66.0	67.4	56.2	48.7
November .....	88.3	117.4	67.6	52.6	81.1	81.2	71.5	71.5	71.5	57.7	NA

NA = Not available.

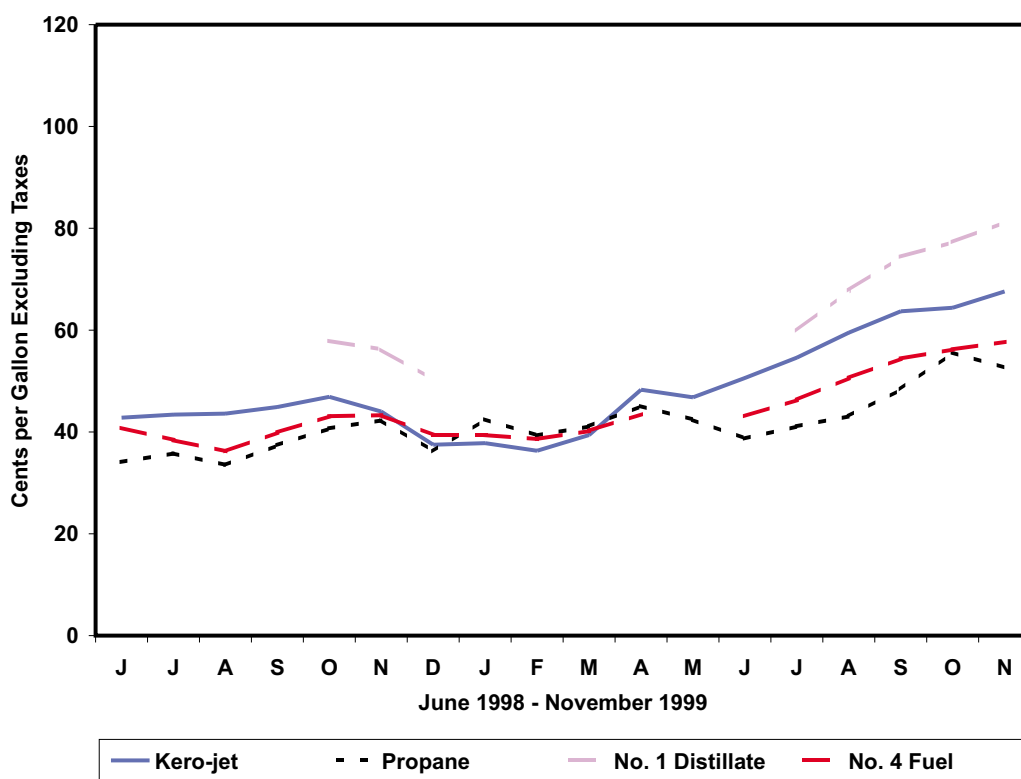
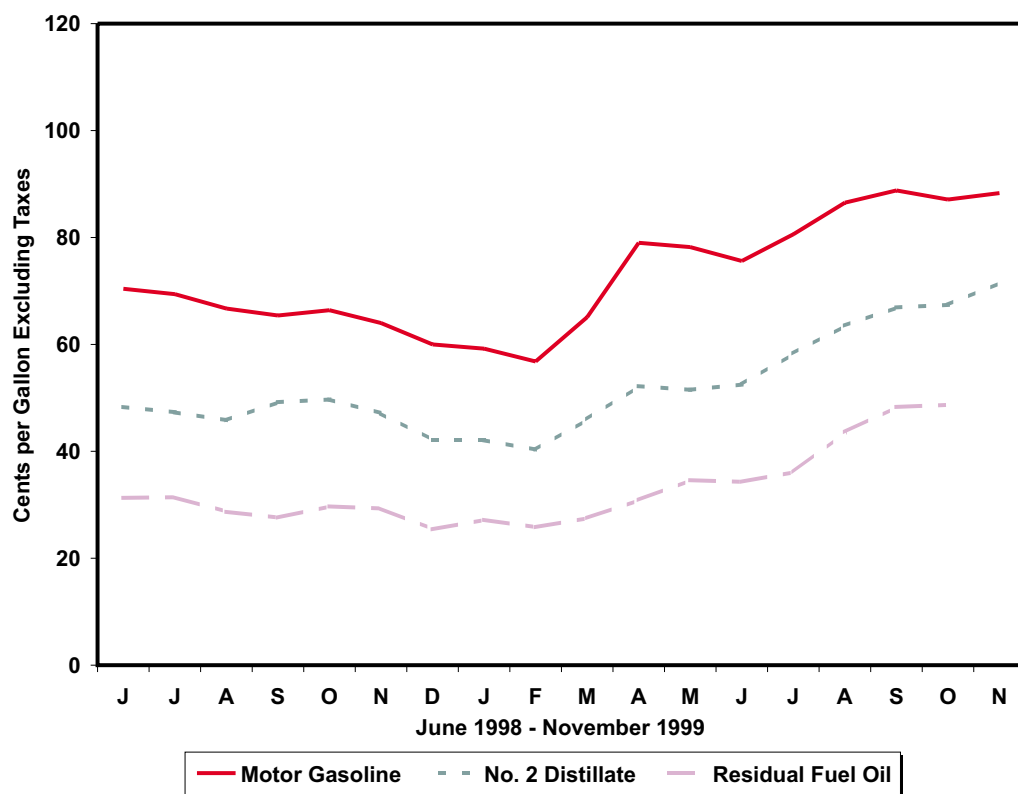
<sup>a</sup> Includes No. 4 fuel oil and No. 4 diesel fuel.

Notes: Motor gasoline averages and totals prior to October 1993 include leaded gasoline.

Notes: Values shown for the current month are preliminary. Values shown for previous months are revised. Data are final upon publication in the *Petroleum Marketing Annual*.

Sources: Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report," January 1983 forward; Form EIA-460, "Petroleum Industry Monthly Report for Product Prices," source for backcast estimates prior to January 1983.

**Figure 2. U.S. Refiner Retail Petroleum Product Prices**



Source: Energy Information Administration, Form EIA-782A, "Refiners' /Gas Plant Operators' Monthly Petroleum Product Sales Report."

**Table 3. U.S. Refiner Volumes of Petroleum Products to End Users**

(Million Gallons per Day)

Year Month	Motor Gasoline	Aviation Gasoline	Kerosene- Type Jet Fuel	Propane (Consumer Grade)	Kerosene	No. 1 Distillate	No. 2 Distillate			No. 4 Fuel <sup>a</sup>	Residual Fuel Oil
							No. 2 Diesel Fuel	No. 2 Fuel Oil	Total		
<b>1983</b> .....	51.1	0.4	30.8	3.1	0.2	0.5	23.3	3.7	27.0	0.7	28.3
<b>1984</b> .....	57.6	0.3	32.9	3.3	0.3	0.5	26.3	4.9	31.2	0.7	32.9
<b>1985</b> .....	57.5	0.3	34.6	3.7	0.3	0.5	25.0	5.0	29.9	0.5	25.2
<b>1986</b> .....	61.2	0.3	35.1	3.4	0.3	0.4	24.4	4.4	28.8	0.7	31.6
<b>1987</b> .....	61.0	0.2	36.8	3.8	0.3	0.4	24.1	4.5	28.5	0.8	29.0
<b>1988</b> .....	61.0	0.2	38.2	4.3	0.3	0.4	24.5	4.6	29.1	1.1	30.2
<b>1989</b> .....	61.2	0.2	40.1	2.8	0.3	0.5	24.3	4.5	28.8	0.9	30.4
<b>1990</b> .....	60.3	0.2	39.9	2.7	0.2	0.5	22.2	3.6	25.9	0.8	25.9
<b>1991</b> .....	61.2	0.2	38.5	3.1	0.2	0.5	21.1	3.2	24.4	0.7	24.0
<b>1992</b> .....	59.0	0.2	39.8	3.8	0.2	0.5	21.5	3.1	24.6	0.6	22.4
<b>1993</b> .....	57.2	0.2	41.7	3.5	0.2	0.4	20.8	2.9	23.8	0.6	17.2
<b>1994</b> .....	55.0	0.2	45.2	2.2	0.4	0.4	21.3	3.4	24.6	0.8	13.5
<b>1995</b> .....	55.9	0.2	45.7	3.2	0.6	0.3	21.6	3.3	24.9	0.5	11.6
<b>1996</b> .....	57.5	0.2	48.7	3.1	0.4	0.3	21.9	3.1	25.0	0.4	12.9
<b>1997</b>											
January .....	54.4	0.1	46.0	3.2	0.5	0.8	22.0	3.8	25.9	0.6	13.8
February .....	57.3	0.1	47.8	3.7	0.4	0.6	22.3	2.8	25.1	0.4	14.1
March .....	58.4	0.2	48.2	3.3	NA	0.3	22.2	2.6	24.8	0.3	13.6
April .....	58.9	0.2	49.1	3.4	0.3	0.2	23.6	2.9	26.5	0.2	11.5
May .....	57.8	0.2	49.8	2.9	0.2	0.2	22.6	2.7	25.2	0.2	10.7
June .....	59.8	0.2	52.0	2.3	0.2	0.2	21.6	2.5	24.1	0.2	12.3
July .....	65.3	NA	51.7	2.1	0.1	0.2	21.6	3.0	24.6	0.3	13.5
August .....	64.8	0.2	52.0	2.3	0.2	0.2	20.9	3.0	23.9	0.2	12.1
September .....	63.7	0.2	51.3	3.1	0.3	0.2	23.1	2.9	26.0	0.2	12.6
October .....	64.4	0.2	49.8	3.5	0.2	0.3	23.1	3.1	26.2	0.3	15.1
November .....	62.3	0.1	48.9	3.8	0.3	0.4	20.5	3.1	23.7	0.4	14.4
December .....	66.0	0.1	49.7	4.4	0.3	0.6	20.9	3.5	24.4	0.4	17.5
<b>1997</b> .....	<b>61.1</b>	<b>0.2</b>	<b>49.7</b>	<b>3.2</b>	<b>0.3</b>	<b>0.4</b>	<b>22.0</b>	<b>3.0</b>	<b>25.0</b>	<b>0.3</b>	<b>13.4</b>
<b>1998</b>											
January .....	59.9	0.1	47.2	4.6	0.3	0.7	20.4	3.4	23.8	0.4	15.5
February .....	62.4	0.1	47.9	4.9	0.3	0.6	21.1	3.0	24.1	0.4	13.5
March .....	64.5	0.1	47.7	4.1	0.3	0.4	22.2	2.6	24.9	0.4	15.5
April .....	59.0	0.2	48.1	3.0	0.2	0.3	20.3	2.4	22.7	0.3	14.3
May .....	59.5	0.2	48.9	2.3	0.1	NA	19.3	3.4	22.7	0.3	13.0
June .....	60.8	0.2	50.7	2.2	0.3	NA	21.3	4.0	25.3	0.3	13.8
July .....	67.2	0.2	51.5	1.9	0.3	NA	22.2	3.4	25.7	0.4	16.5
August .....	66.8	0.2	51.5	2.4	0.6	NA	21.3	3.6	24.9	0.4	17.8
September .....	65.1	0.2	48.0	2.3	0.4	NA	22.4	3.1	25.5	0.3	13.0
October .....	65.1	0.2	50.6	2.7	0.3	0.4	22.2	3.2	25.4	0.2	14.1
November .....	63.8	0.1	44.3	2.7	0.7	0.5	20.2	3.1	23.3	0.3	11.8
December .....	65.4	0.1	50.4	4.4	0.7	0.7	20.5	3.2	23.7	0.4	14.1
<b>1998</b> .....	<b>63.3</b>	<b>0.2</b>	<b>48.9</b>	<b>3.1</b>	<b>0.4</b>	<b>0.4</b>	<b>21.1</b>	<b>3.2</b>	<b>24.3</b>	<b>0.3</b>	<b>14.4</b>
<b>1999</b>											
January .....	59.5	0.1	43.2	4.3	0.8	NA	18.7	3.8	22.5	0.5	17.1
February .....	63.6	0.1	46.5	4.5	0.6	NA	21.3	3.9	25.3	0.5	16.2
March .....	63.6	0.1	47.9	4.4	0.4	NA	21.7	3.7	25.4	0.4	14.7
April .....	64.3	0.2	49.0	3.7	0.4	NA	21.6	3.3	24.9	0.2	14.1
May .....	64.5	0.1	50.3	2.3	0.1	NA	20.6	NA	23.7	NA	14.7
June .....	66.2	0.2	51.8	2.2	0.1	NA	21.6	NA	25.0	0.3	11.8
July .....	68.0	0.2	50.9	2.7	0.1	0.1	20.2	2.6	22.8	0.4	14.7
August .....	63.6	0.2	50.8	4.9	0.2	0.1	21.4	3.1	24.4	0.3	15.2
September .....	59.6	0.1	49.0	3.9	0.2	0.2	21.7	2.7	24.4	0.2	11.3
October .....	60.4	0.1	48.2	2.8	0.1	0.2	22.3	2.9	25.2	0.2	11.8
November .....	58.7	0.1	48.9	3.6	0.2	0.3	21.6	3.0	24.6	0.3	NA

NA = Not available.

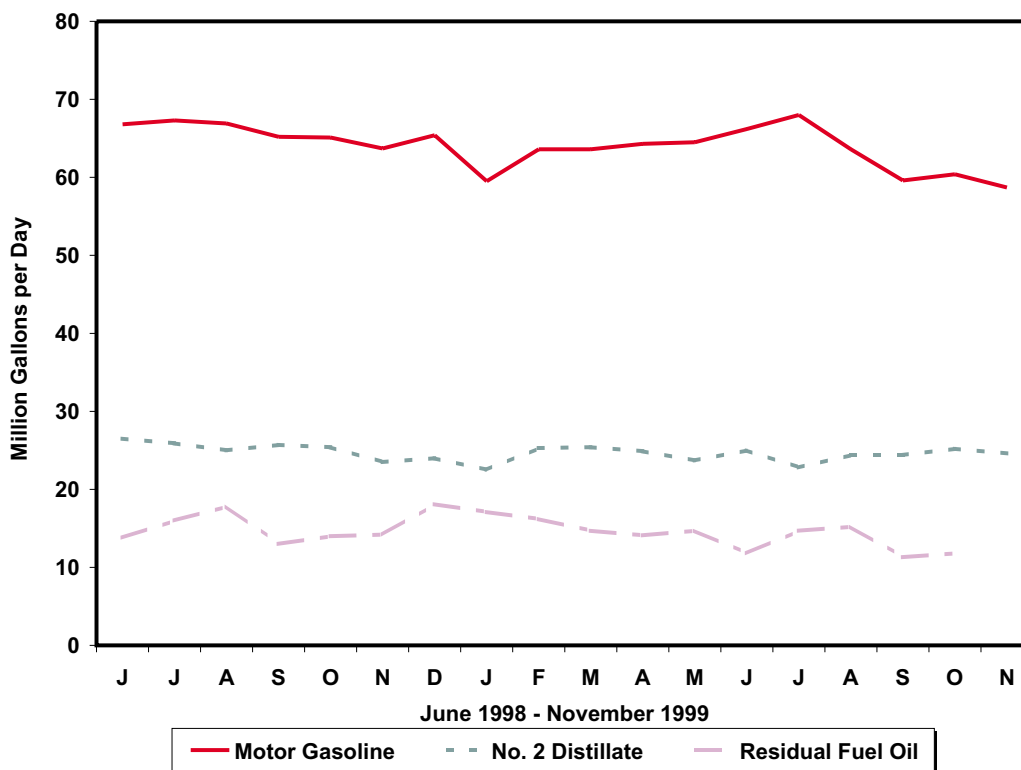
<sup>a</sup> Includes No. 4 fuel oil and No. 4 diesel fuel.

Notes: Motor gasoline averages and totals prior to October 1993 include leaded gasoline.

Notes: Values shown for the current month are preliminary. Values shown for previous months are revised. Data are final upon publication in the *Petroleum Marketing Annual*. Totals may not equal the sum of the components due to rounding.

Source: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report."

**Figure 3. U.S. Refiner Retail Petroleum Product Volumes**



Due to NA's (data not available) in the corresponding Table 3,  
Figure 3 pie chart is not shown this month.

**Table 4. U.S. Refiner Prices of Petroleum Products for Resale**

(Cents per Gallon Excluding Taxes)

Year Month	Motor Gasoline	Aviation Gasoline	Kerosene- Type Jet Fuel	Propane (Consumer Grade)	Kerosene	No. 1 Distillate	No. 2 Distillate			No. 4 Fuel <sup>a</sup>	Residual Fuel Oil
							No. 2 Diesel Fuel	No. 2 Fuel Oil	Average		
1978 .....	43.4	53.7	38.6	23.7	40.4	40.6	36.5	36.9	36.7	30.5	26.3
1979 .....	63.7	72.1	66.0	29.1	62.4	58.3	57.4	56.9	57.1	47.0	39.9
1980 .....	94.1	112.8	86.8	41.5	86.4	88.0	80.1	80.3	80.2	67.0	52.8
1981 .....	106.4	125.0	101.2	46.6	106.6	107.1	97.2	97.6	97.4	78.3	66.3
1982 .....	97.3	122.8	95.3	42.7	101.8	103.8	91.4	91.4	91.4	73.7	61.2
1983 .....	88.2	117.8	85.4	48.4	89.2	89.6	80.8	81.5	81.2	72.6	60.9
1984 .....	83.2	116.5	83.0	45.0	91.6	89.2	80.3	82.1	81.3	70.7	65.4
1985 .....	83.5	113.0	79.4	39.8	87.4	86.3	77.2	77.6	77.4	67.2	57.7
1986 .....	53.1	91.2	49.5	29.0	60.6	57.9	45.2	48.6	47.0	40.9	30.5
1987 .....	58.9	85.9	53.8	25.2	59.2	59.9	53.4	52.7	53.1	46.2	38.5
1988 .....	57.7	85.0	49.5	24.0	54.9	54.9	47.3	47.3	47.3	42.5	30.0
1989 .....	65.4	95.0	58.3	24.7	66.9	66.8	56.7	56.5	56.6	48.0	36.0
1990 .....	78.6	106.3	77.3	38.6	83.9	83.8	69.4	69.7	69.5	59.0	41.3
1991 .....	69.9	100.1	65.0	34.9	72.3	73.0	61.5	62.2	61.8	55.6	31.4
1992 .....	67.7	99.1	60.5	32.8	63.2	65.2	59.1	57.9	58.5	49.5	30.8
1993 .....	62.6	96.5	57.7	35.1	60.4	64.6	57.0	54.4	55.9	48.8	29.3
1994 .....	59.9	93.3	53.4	32.4	61.8	61.5	52.9	50.6	52.2	46.2	31.7
1995 .....	62.6	97.5	53.9	34.4	58.0	62.5	53.8	51.1	53.0	46.3	36.3
1996 .....	71.3	105.5	64.6	46.1	71.4	75.1	65.9	63.9	65.3	60.3	42.0
1997 .....											
January .....	75.0	109.0	73.8	60.2	77.7	78.9	69.8	69.8	69.8	63.7	42.9
February .....	73.0	108.7	71.5	44.7	73.9	77.2	67.8	64.5	66.6	58.8	39.3
March .....	71.4	107.9	61.8	41.3	63.5	73.1	62.4	57.7	61.0	53.7	35.8
April .....	70.4	108.5	60.6	37.7	62.1	70.6	61.7	58.6	61.0	49.7	36.1
May .....	71.3	108.2	59.4	36.9	60.4	69.8	60.7	58.8	60.2	52.9	35.8
June .....	68.4	105.9	58.1	36.4	57.4	66.7	56.6	54.5	56.1	47.0	36.7
July .....	67.5	104.7	56.9	35.9	56.8	63.8	55.8	53.8	55.4	46.0	36.5
August .....	75.0	109.0	59.1	37.5	60.6	67.6	58.9	55.3	58.1	52.6	38.3
September .....	72.3	109.0	58.9	39.5	60.2	67.4	57.8	54.3	57.0	54.1	38.7
October .....	68.5	104.7	61.1	41.1	63.8	72.1	61.7	59.0	61.2	56.8	42.0
November .....	65.9	102.0	61.3	39.6	62.6	71.0	61.5	58.4	60.7	57.3	43.5
December .....	61.7	99.1	55.6	37.5	57.8	64.1	55.0	53.4	54.6	49.0	35.6
1997 .....	70.0	106.5	61.3	41.6	65.3	72.3	60.6	59.0	60.2	55.1	38.7
1998 .....											
January .....	57.6	96.2	52.9	35.4	52.8	57.1	49.6	48.9	49.4	45.9	31.1
February .....	55.1	92.1	50.3	33.1	51.6	56.4	48.3	47.7	48.1	43.6	28.3
March .....	52.3	88.4	45.9	31.1	47.5	54.3	45.9	44.9	45.6	40.1	26.4
April .....	54.9	92.8	46.7	30.3	46.1	57.9	48.2	44.9	47.4	41.7	30.3
May .....	57.9	97.3	47.0	29.3	45.6	56.4	47.0	43.3	46.1	40.3	29.5
June .....	55.7	94.1	43.2	26.7	43.0	52.1	43.5	39.9	42.8	36.5	27.9
July .....	54.3	93.4	43.4	25.7	41.7	50.1	42.6	38.8	41.9	37.5	29.6
August .....	50.6	91.6	42.9	25.7	40.7	51.3	41.4	36.9	40.5	36.0	26.5
September .....	50.9	89.8	44.6	26.3	45.9	53.3	45.6	41.8	44.9	36.1	27.9
October .....	52.4	90.7	45.9	27.6	46.6	53.7	45.5	41.2	44.6	35.3	28.2
November .....	47.8	83.6	42.9	27.7	44.2	49.5	41.4	38.9	40.9	36.8	26.0
December .....	42.6	79.8	36.3	25.7	38.7	43.5	35.4	34.6	35.2	30.2	23.3
1998 .....	52.6	91.2	45.0	28.8	46.5	51.3	44.4	42.2	43.9	38.3	28.0
1999 .....											
January .....	44.1	80.9	36.9	26.5	42.6	46.9	36.5	36.3	36.4	34.4	25.2
February .....	42.6	78.9	35.0	26.2	38.3	44.7	35.5	33.0	34.8	29.7	21.8
March .....	51.9	86.8	39.3	26.9	43.9	49.1	43.6	39.7	42.7	32.6	24.9
April .....	62.3	98.8	46.9	28.6	48.5	56.2	48.7	44.5	47.9	38.2	29.5
May .....	61.6	97.8	47.2	29.0	45.2	56.7	47.8	43.7	47.1	NA	32.1
June .....	61.1	95.0	49.3	29.6	46.8	57.0	50.3	44.2	49.3	39.1	31.9
July .....	68.7	103.0	53.6	34.6	53.5	61.8	56.6	51.4	55.7	43.5	35.6
August .....	73.8	107.6	59.0	38.3	59.4	68.6	61.4	56.3	60.6	49.4	42.1
September .....	75.7	111.9	62.5	41.5	65.9	73.6	65.0	60.9	64.3	51.9	45.5
October .....	72.3	109.8	63.5	43.7	64.8	75.1	65.1	61.3	64.3	52.3	44.3
November .....	75.4	108.3	66.4	42.4	73.3	79.3	69.9	66.5	69.2	63.7	46.3

NA = Not available.

<sup>a</sup> Includes No. 4 fuel oil and No. 4 diesel fuel.

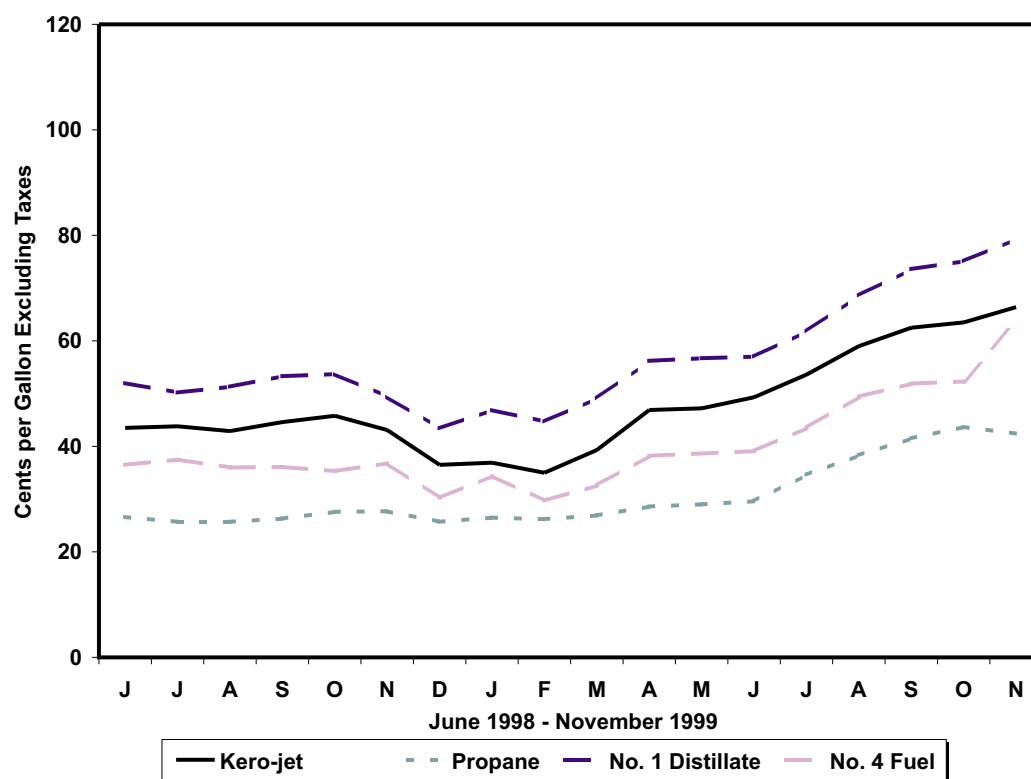
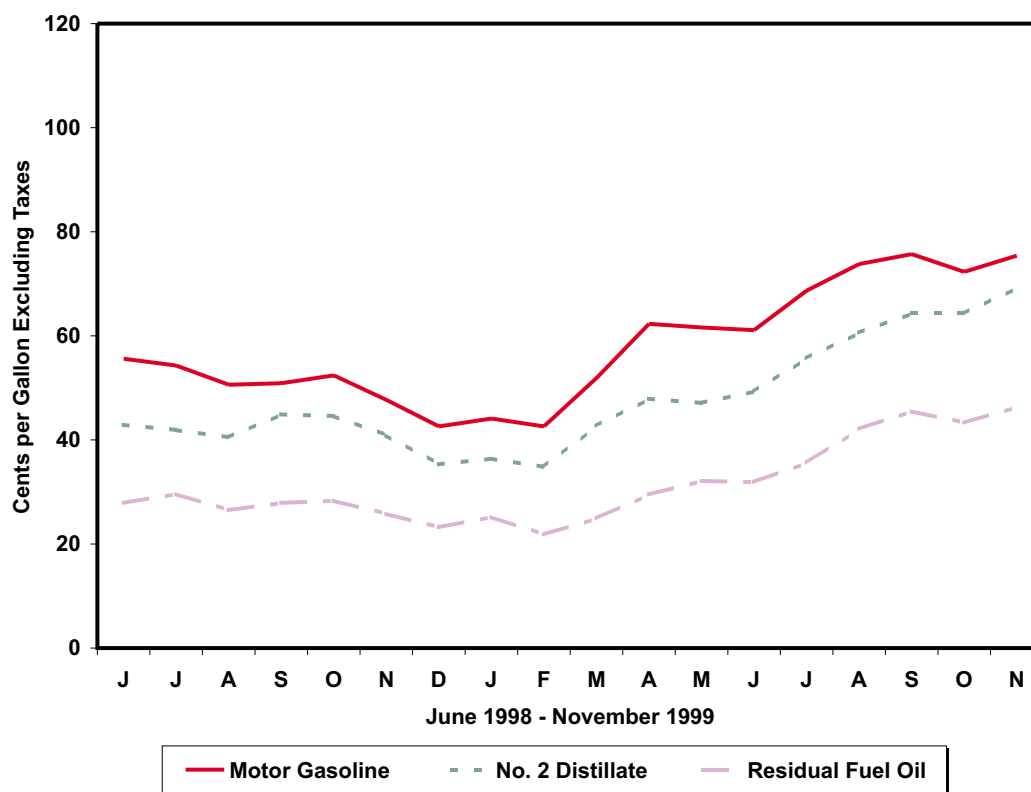
Notes: Motor gasoline averages and totals prior to October 1993 include leaded gasoline.

Notes: Values shown for the current month are preliminary. Values shown for previous months are revised. Data are final upon publication in the *Petroleum Marketing Annual*.

Sources: Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report," January 1983 forward; Form EIA-460, "Petroleum Industry Monthly Report for Product Prices," source for backcast estimates prior to January 1983.



**Figure 4. U.S. Refiner Wholesale Petroleum Product Prices**



Source: Energy Information Administration, Form EIA-782A, "Refiners' /Gas Plant Operators' Monthly Petroleum Product Sales Report."

**Table 5. U.S. Refiner Volumes of Petroleum Products for Resale**  
(Million Gallons per Day)

Year Month	Motor Gasoline	Aviation Gasoline	Kerosene- Type Jet Fuel	Propane (Consumer Grade)	Kerosene	No. 1 Distillate	No. 2 Distillate			No. 4 Fuel <sup>a</sup>	Residual Fuel Oil
							No. 2 Diesel Fuel	No. 2 Fuel Oil	Total		
<b>1983</b> .....	242.5	0.7	5.4	26.0	2.5	2.4	38.1	47.3	85.5	0.9	20.2
<b>1984</b> .....	246.3	0.8	6.6	26.7	2.2	2.6	42.8	51.4	94.2	1.7	21.3
<b>1985</b> .....	256.9	0.7	7.6	29.2	2.4	2.7	43.3	53.9	97.3	1.2	19.9
<b>1986</b> .....	257.2	0.7	9.2	26.3	2.4	2.5	46.4	53.8	100.3	1.2	18.6
<b>1987</b> .....	257.2	0.8	10.1	27.0	2.3	2.0	44.3	49.3	93.6	1.5	16.9
<b>1988</b> .....	263.7	0.7	10.0	27.7	2.7	2.6	47.8	50.1	97.9	1.2	18.9
<b>1989</b> .....	260.7	0.7	8.6	25.9	2.7	2.7	50.7	46.7	97.5	1.2	21.0
<b>1990</b> .....	264.8	0.7	8.8	25.5	2.2	2.4	51.9	45.9	97.8	0.8	17.9
<b>1991</b> .....	261.3	0.7	8.7	25.4	2.1	2.4	51.5	46.9	98.3	0.4	17.8
<b>1992</b> .....	265.4	0.7	8.0	26.7	2.2	2.3	50.8	48.9	99.7	0.4	15.2
<b>1993</b> .....	266.9	0.6	8.3	27.9	2.3	2.3	58.0	43.6	101.7	0.4	12.6
<b>1994</b> .....	276.7	0.7	9.1	28.4	2.5	1.9	72.4	32.9	105.3	0.4	12.8
<b>1995</b> .....	288.8	0.6	9.9	30.6	2.4	1.7	75.9	31.0	106.9	0.3	13.6
<b>1996</b> .....	293.6	0.6	11.5	32.9	2.7	1.8	83.7	33.1	116.8	0.3	13.8
<b>1997</b> .....											
January .....	272.8	0.4	11.1	44.9	5.4	4.7	80.8	47.7	128.5	0.5	14.1
February .....	285.4	0.5	10.3	38.4	3.6	2.7	78.7	42.3	121.1	0.4	13.9
March .....	287.1	0.5	10.3	28.1	2.1	1.1	84.4	35.7	120.1	0.3	9.4
April .....	293.0	0.6	9.5	25.8	1.3	0.4	91.1	29.9	121.0	0.3	10.5
May .....	293.3	0.7	9.9	24.8	1.0	0.3	88.6	25.7	114.3	0.1	8.2
June .....	293.5	0.8	10.8	24.3	0.8	0.4	91.2	27.4	118.6	0.2	10.4
July .....	307.9	0.9	10.8	26.6	1.3	0.4	92.1	25.3	117.3	0.1	10.9
August .....	304.0	0.8	12.6	28.7	1.2	0.5	87.0	25.0	112.0	0.2	12.1
September .....	290.4	0.7	10.4	32.4	1.9	0.9	94.0	27.0	121.0	0.1	11.6
October .....	299.6	0.6	11.7	34.7	2.7	1.6	100.0	26.1	126.0	0.1	12.4
November .....	286.4	0.5	13.9	35.8	4.0	3.1	85.9	27.7	113.6	0.1	11.8
December .....	298.4	0.5	14.2	42.5	4.9	3.2	90.2	35.5	125.7	0.3	12.9
<b>1997</b> .....	<b>292.7</b>	<b>0.6</b>	<b>11.3</b>	<b>32.2</b>	<b>2.5</b>	<b>1.6</b>	<b>88.7</b>	<b>31.2</b>	<b>119.9</b>	<b>0.2</b>	<b>11.5</b>
<b>1998</b> .....											
January .....	279.9	0.4	11.5	38.8	4.4	3.1	84.9	34.6	119.5	0.2	13.9
February .....	286.2	0.5	11.4	38.4	3.9	1.7	84.2	35.5	119.7	0.2	10.0
March .....	291.3	0.6	12.5	33.7	2.9	1.1	89.6	32.2	121.8	0.2	12.7
April .....	304.6	0.6	11.8	27.9	1.6	0.3	87.0	27.5	114.5	0.1	17.6
May .....	305.4	0.7	10.3	23.7	1.0	0.2	85.6	28.0	113.6	0.1	14.8
June .....	316.3	0.7	12.0	27.9	1.3	0.2	97.7	23.6	121.2	0.1	18.2
July .....	318.8	0.9	12.1	26.6	1.1	0.3	99.6	22.1	121.6	NA	19.3
August .....	308.6	0.7	12.3	27.7	0.9	0.4	94.8	21.0	115.7	NA	16.5
September .....	299.5	0.7	10.7	31.8	1.4	0.9	96.5	20.9	117.4	0.1	17.4
October .....	298.7	0.7	13.2	37.7	2.2	1.4	97.2	25.8	123.0	0.1	17.2
November .....	290.2	0.4	14.6	34.2	2.6	2.7	93.0	24.7	117.7	0.2	12.9
December .....	304.5	0.5	13.4	44.0	3.2	4.0	92.4	32.0	124.4	0.2	13.7
<b>1998</b> .....	<b>300.4</b>	<b>0.6</b>	<b>12.2</b>	<b>32.7</b>	<b>2.2</b>	<b>1.4</b>	<b>91.9</b>	<b>27.3</b>	<b>119.2</b>	<b>0.1</b>	<b>15.4</b>
<b>1999</b> .....											
January .....	265.0	0.4	14.1	47.7	4.6	4.1	83.3	34.8	118.1	0.2	18.0
February .....	290.3	0.5	14.9	36.7	3.1	2.5	91.8	38.0	129.8	0.3	17.6
March .....	304.2	0.6	12.1	36.4	2.6	1.3	97.9	31.1	129.1	0.3	11.3
April .....	312.2	0.7	13.3	28.1	1.0	0.4	98.9	23.6	122.5	0.2	17.0
May .....	313.0	0.7	10.5	25.3	1.1	0.3	98.7	21.0	119.6	NA	9.6
June .....	324.6	1.0	14.0	27.7	0.8	0.3	107.8	21.4	129.2	0.1	10.1
July .....	317.5	1.0	14.6	28.9	0.8	0.5	88.4	18.5	106.9	0.1	11.3
August .....	307.9	0.9	13.9	30.0	0.9	0.6	97.8	19.9	117.7	0.1	7.8
September .....	306.2	0.9	16.6	32.7	1.3	1.1	105.6	20.2	125.9	0.1	8.4
October .....	308.2	0.7	16.0	34.8	2.4	1.8	102.2	23.8	126.0	0.2	9.7
November .....	309.5	0.6	17.5	36.0	1.8	2.7	98.4	26.9	125.2	0.1	8.4

NA = Not available.

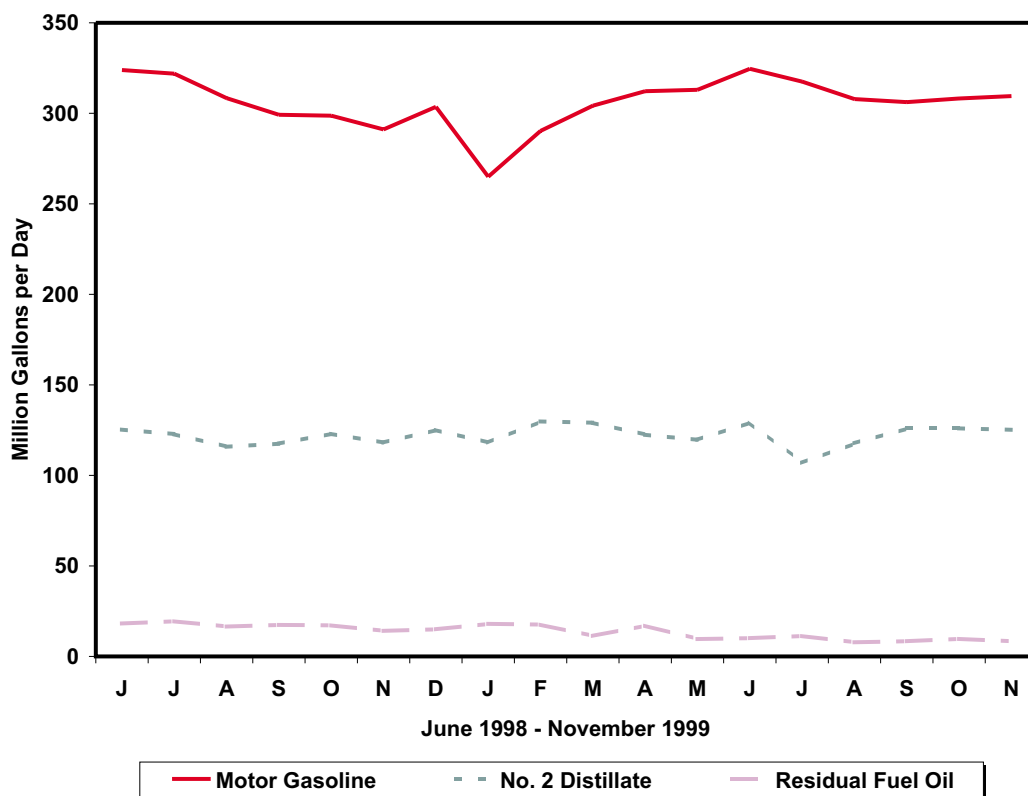
<sup>a</sup> Includes No. 4 fuel oil and No. 4 diesel fuel.

Notes: Motor gasoline averages and totals prior to October 1993 include leaded gasoline.

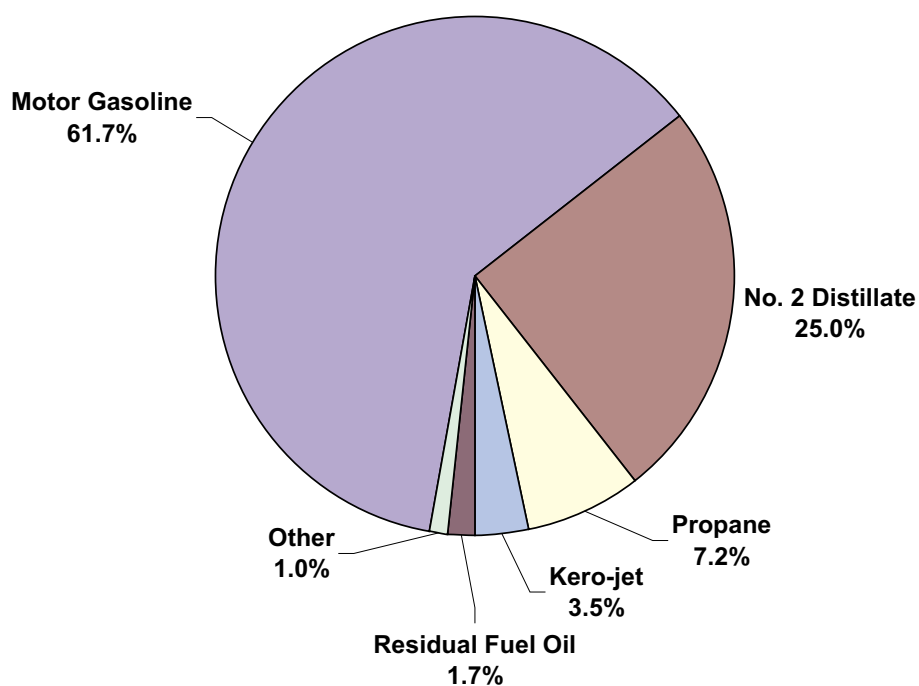
Notes: Values shown for the current month are preliminary. Values shown for previous months are revised. Data are final upon publication in the *Petroleum Marketing Annual*.

Source: Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."

**Figure 5. U.S. Refiner Wholesale Petroleum Product Volumes**



**Percentages of Refiner Wholesale Volumes**



Source: Energy Information Administration, Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."

**Table 6. U.S. Refiner Motor Gasoline Prices by Grade and Sales Type**

(Cents per Gallon Excluding Taxes)

Year Month	Regular						Midgrade					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average
1983 .....	98.0	97.0	—	—	—	89.5	—	—	—	—	—	—
1984 .....	92.2	91.4	—	—	—	84.2	—	—	—	—	—	—
1985 .....	92.5	91.7	—	—	—	84.3	—	—	—	—	—	—
1986 .....	62.4	61.6	—	—	—	52.2	—	—	—	—	—	—
1987 .....	65.9	65.0	—	—	—	56.9	—	—	—	—	—	—
1988 .....	64.9	64.1	—	—	—	54.8	—	—	—	—	—	—
1989 .....	72.0	71.4	—	—	—	61.8	79.6	79.3	—	—	—	68.6
1990 .....	85.3	84.9	—	—	—	75.8	92.3	92.1	—	—	—	81.4
1991 .....	76.4	76.1	—	—	—	67.2	84.7	84.3	—	—	—	73.3
1992 .....	74.6	74.3	—	—	—	64.5	83.1	82.7	—	—	—	70.8
1993 .....	71.6	71.2	—	—	—	59.3	81.0	80.5	—	—	—	66.0
1994 .....	69.5	68.9	64.6	54.7	50.2	56.6	79.1	78.5	70.4	58.4	NA	63.8
1995 .....	72.3	71.7	68.2	57.6	53.4	59.3	81.3	80.8	73.7	61.9	NA	67.0
1996 .....	81.2	80.7	77.0	67.2	62.2	68.5	90.1	89.6	82.4	70.9	NA	75.9
<b>1997</b> .....												
January .....	83.0	82.5	77.2	71.9	67.8	72.4	92.4	92.0	82.9	76.1	W	79.1
February .....	82.4	81.9	77.3	69.3	65.8	70.4	91.9	91.5	82.8	73.2	W	77.5
March .....	80.4	79.9	76.6	66.9	64.9	68.7	90.1	89.7	82.3	71.0	74.8	76.0
April .....	80.3	79.7	77.7	65.5	62.4	67.7	89.9	89.6	82.9	69.6	W	75.4
May .....	81.0	80.5	76.5	67.6	62.3	68.6	90.2	89.9	82.3	70.8	W	75.7
June .....	79.7	79.2	74.9	63.9	58.9	65.6	89.1	88.7	80.8	67.2	W	73.0
July .....	77.9	77.4	72.4	63.9	57.9	64.8	87.3	86.9	78.4	67.5	W	71.9
August .....	83.2	82.8	79.2	71.4	66.1	72.2	92.7	92.3	85.4	75.3	W	79.5
September .....	83.6	83.1	81.2	67.1	63.4	69.5	93.2	92.9	87.4	71.0	W	77.9
October .....	80.8	80.3	78.2	63.2	59.6	65.7	90.5	90.1	84.1	67.2	W	74.2
November .....	78.1	77.6	75.1	60.6	56.0	63.1	87.7	87.4	80.9	64.6	W	71.5
December .....	74.1	73.5	70.7	56.3	53.3	58.9	83.9	83.6	76.7	60.7	W	67.4
<b>1997</b> .....	<b>80.3</b>	<b>79.8</b>	<b>76.4</b>	<b>65.6</b>	<b>61.5</b>	<b>67.3</b>	<b>89.8</b>	<b>89.5</b>	<b>82.2</b>	<b>69.4</b>	<b>71.1</b>	<b>74.9</b>
<b>1998</b> .....												
January .....	69.6	69.0	66.8	52.2	50.5	54.8	78.5	78.2	72.4	56.6	W	63.1
February .....	65.2	64.8	60.9	50.8	48.2	52.5	74.8	74.5	66.5	54.9	W	59.7
March .....	61.7	61.3	56.3	48.4	46.0	49.7	71.2	70.9	62.3	52.3	W	56.4
April .....	63.9	63.5	58.5	51.6	48.3	52.3	73.2	72.9	64.3	55.6	W	59.2
May .....	67.7	67.3	63.6	54.3	49.6	55.3	76.8	76.5	69.2	58.1	W	62.6
June .....	67.0	66.6	62.7	51.6	46.8	52.9	76.4	76.1	68.5	55.4	W	60.7
July .....	65.5	65.1	61.1	50.2	45.5	51.5	75.3	75.0	67.1	53.9	W	59.1
August .....	62.7	62.2	58.8	45.6	41.9	47.6	72.8	72.5	64.7	49.5	W	55.6
September .....	61.5	61.0	57.6	46.5	42.3	48.1	71.4	71.1	63.5	50.3	W	55.6
October .....	62.4	61.9	58.0	48.1	43.5	49.5	72.1	71.8	64.2	52.5	NA	57.2
November .....	59.5	59.1	56.8	42.1	39.3	44.7	69.9	69.6	63.1	46.4	W	53.2
December .....	55.4	54.9	54.0	36.3	34.0	39.5	66.1	65.8	60.3	40.8	W	48.7
<b>1998</b> .....	<b>63.4</b>	<b>63.0</b>	<b>59.6</b>	<b>48.1</b>	<b>44.9</b>	<b>49.9</b>	<b>73.1</b>	<b>72.8</b>	<b>65.5</b>	<b>52.1</b>	<b>NA</b>	<b>57.6</b>
<b>1999</b> .....												
January .....	54.9	54.4	52.6	38.8	34.9	41.1	64.4	64.2	59.0	43.1	NA	49.6
February .....	52.7	52.1	50.8	37.1	34.8	39.6	62.9	62.6	57.3	41.4	W	47.8
March .....	61.5	61.0	59.1	47.7	42.5	49.2	70.8	70.5	64.8	51.7	W	56.8
April .....	76.0	75.5	NA	57.3	49.0	59.8	84.1	83.8	NA	61.0	NA	68.4
May .....	74.8	74.3	NA	56.5	49.7	58.9	83.7	83.4	NA	60.4	NA	67.5
June .....	71.9	71.5	NA	56.6	51.6	58.6	81.6	81.3	NA	NA	NA	NA
July .....	77.2	76.7	75.1	64.6	60.1	66.2	86.4	86.0	80.4	68.3	W	73.2
August .....	83.2	82.8	82.1	69.2	64.6	71.3	92.4	92.1	86.9	73.1	W	78.5
September .....	85.4	84.9	82.2	72.0	65.7	73.2	95.1	94.8	87.9	76.0	W	80.6
October .....	83.4	83.0	80.9	67.8	62.9	69.7	93.7	93.4	86.7	71.8	W	77.6
November .....	84.7	84.3	81.2	72.0	65.5	72.8	94.6	94.3	87.0	76.0	W	80.2

See footnotes at end of table.

**Table 6. U.S. Refiner Motor Gasoline Prices by Grade and Sales Type**

(Cents per Gallon Excluding Taxes) — Continued

Year Month	Premium						All Grades					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average
1983 .....	108.0	105.7	—	—	—	96.4	96.4	95.4	—	—	—	88.2
1984 .....	102.1	101.5	—	—	—	91.6	91.4	90.7	—	—	—	83.2
1985 .....	103.0	102.3	—	—	—	92.2	92.1	91.2	—	—	—	83.5
1986 .....	74.8	73.7	—	—	—	61.0	63.2	62.4	—	—	—	53.1
1987 .....	79.0	78.4	—	—	—	67.1	67.8	66.9	—	—	—	58.9
1988 .....	79.4	78.8	—	—	—	67.2	68.1	67.3	—	—	—	57.7
1989 .....	87.4	86.8	—	—	—	74.9	76.3	75.6	—	—	—	65.4
1990 .....	99.0	98.5	—	—	—	87.4	88.8	88.3	—	—	—	78.6
1991 .....	91.2	90.7	—	—	—	79.2	80.0	79.7	—	—	—	69.9
1992 .....	92.0	91.4	—	—	—	77.4	79.2	78.7	—	—	—	67.7
1993 .....	89.6	88.9	—	—	—	72.2	76.5	75.9	—	—	—	62.6
1994 .....	87.3	86.5	78.7	64.0	55.6	69.5	74.4	73.8	69.3	56.7	50.9	59.9
1995 .....	89.7	89.0	82.2	67.3	58.3	72.2	77.1	76.5	72.9	59.8	54.0	62.6
1996 .....	97.9	97.2	89.7	76.2	66.9	80.3	85.3	84.7	80.9	69.0	62.7	71.3
1997												
January .....	101.0	100.2	W	81.7	72.0	84.5	87.2	86.6	81.2	73.8	68.2	75.0
February .....	100.2	99.6	W	78.6	69.6	82.6	86.5	85.9	81.2	71.0	66.1	73.0
March .....	98.3	97.6	89.9	76.3	68.5	80.6	84.6	84.0	80.5	68.7	65.3	71.4
April .....	97.9	97.5	W	75.0	66.5	79.7	84.4	83.9	81.3	67.4	62.8	70.4
May .....	97.9	97.3	W	76.8	67.9	80.5	85.0	84.5	80.3	69.3	62.8	71.3
June .....	96.8	96.1	W	73.1	64.9	77.5	83.8	83.3	78.8	65.6	59.7	68.4
July .....	95.5	94.8	W	73.5	63.6	77.0	82.0	81.5	76.4	65.7	58.4	67.5
August .....	100.8	100.3	W	81.2	73.9	84.5	87.2	86.8	83.2	73.3	66.9	75.0
September .....	101.5	101.2	W	76.6	69.0	82.0	87.6	87.2	85.1	68.9	64.0	72.3
October .....	98.4	97.7	W	72.6	64.1	77.8	84.9	84.3	81.9	65.0	60.2	68.5
November .....	95.6	94.9	W	69.6	59.0	74.8	82.2	81.6	78.8	62.3	56.4	65.9
December .....	92.0	91.4	W	65.5	56.8	70.9	78.3	77.8	74.6	58.2	53.8	61.7
1997 .....	97.9	97.3	89.5	74.9	65.8	79.2	84.4	83.9	80.3	67.4	62.0	70.0
1998												
January .....	87.0	86.4	W	61.5	54.5	67.2	73.7	73.2	70.7	54.0	50.8	57.6
February .....	83.0	82.4	W	60.0	51.0	64.4	69.4	69.0	64.9	52.6	48.4	55.1
March .....	79.4	78.9	W	57.6	48.8	61.1	65.9	65.5	60.4	50.2	46.3	52.3
April .....	81.3	80.7	W	60.9	52.9	63.8	68.1	67.7	62.5	53.5	48.8	54.9
May .....	84.6	84.1	W	63.7	55.1	66.9	71.8	71.4	67.3	56.2	50.1	57.9
June .....	84.2	83.6	W	61.1	52.4	65.0	71.2	70.7	66.6	53.5	47.3	55.7
July .....	83.4	82.9	W	59.7	51.4	63.7	69.9	69.4	65.1	52.1	46.0	54.3
August .....	80.7	80.0	W	55.3	48.4	60.1	67.2	66.7	62.8	47.5	42.6	50.6
September .....	79.5	78.7	W	55.9	47.3	59.9	66.0	65.5	61.6	48.4	42.9	50.9
October .....	80.5	79.9	71.3	57.9	48.7	61.6	66.9	66.4	62.2	50.1	44.2	52.4
November .....	77.8	77.2	W	51.5	43.6	56.9	64.2	63.7	61.1	44.1	39.9	47.8
December .....	74.0	73.3	W	45.6	36.7	51.7	60.3	59.7	58.3	38.4	34.3	42.6
1998 .....	81.1	80.5	72.6	57.3	48.9	61.7	67.8	67.3	63.6	50.0	45.4	52.6
1999												
January .....	72.9	72.3	65.7	48.1	38.5	52.5	59.6	59.2	56.8	40.9	35.5	44.1
February .....	71.1	70.1	W	46.5	38.6	51.4	57.5	56.8	55.1	39.2	35.4	42.6
March .....	78.2	77.5	W	56.7	46.9	60.3	65.7	65.1	62.6	49.6	43.0	51.9
April .....	91.3	90.6	NA	66.5	55.6	71.0	79.5	79.0	NA	59.1	49.7	62.3
May .....	91.8	91.2	NA	66.1	54.9	70.8	78.7	78.2	NA	58.4	50.3	61.6
June .....	89.4	88.8	NA	NA	NA	NA	76.0	75.6	NA	58.5	52.1	61.1
July .....	94.0	93.2	W	73.7	61.8	76.9	81.1	80.6	78.6	66.3	60.4	68.7
August .....	100.1	99.5	W	78.6	66.1	82.2	87.0	86.5	85.4	70.9	64.9	73.8
September .....	103.0	102.2	W	81.6	70.2	84.6	89.3	88.8	85.9	73.7	66.4	75.7
October .....	101.9	101.3	W	77.5	66.5	81.6	87.6	87.1	84.8	69.5	63.5	72.3
November .....	102.6	101.9	W	81.7	69.2	84.5	88.7	88.3	85.2	73.8	66.0	75.4

Dash (—) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

<sup>a</sup> Includes sales through retail outlets as well as all direct sales to end users that were not made through company-operated retail outlets, e.g., sales to agricultural customers, commercial sales, and industrial sales.

Notes: Data for the 4th quarter of 1993 were derived from two separate survey systems. The DTW, Rack, and Bulk components were derived from the revised EIA-782 survey system, while the End-Use and Average Resale categories were derived from the predecessor EIA-782 survey system. Therefore, the DTW, Rack, and Bulk components are not consistent with the Average Resale category. Beginning January 1994, all data are from the revised EIA-782 survey system and are consistent.

Notes: Motor gasoline averages and totals prior to October 1993 include leaded gasoline.

Notes: Values shown for the current month are preliminary. Values shown for previous months are revised. Data are final upon publication in the *Petroleum Marketing Annual*.

Source: Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."

**Table 7. U.S. Refiner Motor Gasoline Volumes by Grade and Sales Type**

(Million Gallons per Day)

Year Month	Regular						Midgrade					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total
<b>1983</b> .....	20.0	23.5	—	—	—	98.3	—	—	—	—	—	—
<b>1984</b> .....	24.3	27.8	—	—	—	106.8	—	—	—	—	—	—
<b>1985</b> .....	26.2	29.9	—	—	—	119.7	—	—	—	—	—	—
<b>1986</b> .....	30.9	34.7	—	—	—	127.0	—	—	—	—	—	—
<b>1987</b> .....	32.7	36.1	—	—	—	141.9	—	—	—	—	—	—
<b>1988</b> .....	34.2	37.3	—	—	—	153.6	—	—	—	—	—	—
<b>1989</b> .....	34.3	36.8	—	—	—	155.7	4.9	5.1	—	—	—	16.4
<b>1990</b> .....	36.7	38.8	—	—	—	174.5	7.4	7.6	—	—	—	23.1
<b>1991</b> .....	38.4	40.4	—	—	—	180.9	7.9	8.2	—	—	—	23.7
<b>1992</b> .....	36.5	38.4	—	—	—	182.2	8.9	9.2	—	—	—	27.5
<b>1993</b> .....	35.6	37.2	—	—	—	184.0	8.7	8.9	—	—	—	27.7
<b>1994</b> .....	34.3	35.9	47.7	120.3	24.3	192.3	8.5	8.7	12.8	15.7	0.2	28.7
<b>1995</b> .....	34.3	35.9	43.8	126.2	31.8	201.8	9.6	9.8	13.3	17.2	0.1	30.6
<b>1996</b> .....	37.2	38.9	46.5	131.9	35.2	213.6	9.5	9.8	12.9	16.6	NA	29.5
<b>1997</b>												
January .....	35.6	37.6	45.0	122.6	33.7	201.3	8.8	9.1	12.1	15.0	W	27.1
February .....	37.8	39.9	46.7	127.7	38.1	212.6	9.1	9.4	12.4	15.5	W	27.9
March .....	38.4	40.5	47.0	129.9	35.1	212.0	9.3	9.6	12.3	15.5	NA	27.9
April .....	38.5	40.7	47.7	134.5	33.9	216.1	9.3	9.6	12.2	16.1	W	28.3
May .....	38.1	39.8	45.9	135.5	34.2	215.7	9.2	9.5	12.2	16.3	W	28.5
June .....	39.3	41.0	46.1	138.7	29.1	214.0	9.5	9.8	12.3	16.7	W	29.0
July .....	43.2	44.9	45.7	148.0	31.9	225.6	10.4	10.7	12.3	18.0	W	30.3
August .....	43.4	45.1	46.3	144.9	33.2	224.5	10.3	10.5	12.2	17.2	W	29.5
September .....	42.8	44.5	45.2	137.6	33.1	215.9	10.0	10.2	11.6	16.2	W	27.9
October .....	43.2	45.0	45.8	140.6	35.4	221.8	10.1	10.3	11.8	16.8	W	28.6
November .....	41.8	43.3	46.3	132.0	32.3	210.6	9.8	10.0	11.7	15.7	W	27.4
December .....	44.1	45.7	46.8	135.6	37.2	219.6	10.6	10.7	11.8	16.5	W	28.3
<b>1997</b> .....	<b>40.5</b>	<b>42.4</b>	<b>46.2</b>	<b>135.7</b>	<b>33.9</b>	<b>215.8</b>	<b>9.7</b>	<b>10.0</b>	<b>12.1</b>	<b>16.3</b>	<b>NA</b>	<b>28.4</b>
<b>1998</b>												
January .....	39.4	40.8	42.1	127.0	38.6	207.6	9.9	10.1	10.8	15.2	W	26.0
February .....	41.7	43.1	43.6	131.6	37.2	212.4	9.7	9.9	11.0	15.5	W	26.6
March .....	43.0	44.5	44.7	134.7	34.5	213.9	10.0	10.2	11.1	16.0	W	27.1
April .....	39.1	40.5	44.7	137.3	44.0	226.0	9.2	9.3	11.0	16.0	W	27.1
May .....	39.4	40.8	45.0	139.1	41.7	225.8	9.4	9.5	11.2	16.1	W	27.3
June .....	40.2	41.6	45.7	145.8	42.8	234.2	9.6	9.8	11.3	16.8	W	28.1
July .....	44.4	45.9	45.7	148.2	40.9	234.8	10.7	10.8	11.4	17.4	W	28.7
August .....	44.0	45.5	45.1	144.0	36.0	225.1	10.6	10.8	11.3	16.9	W	28.1
September .....	42.7	44.2	44.2	140.3	33.0	217.6	10.4	10.6	11.0	16.4	W	27.4
October .....	42.6	44.1	45.1	141.0	30.5	216.7	10.6	10.8	11.3	16.6	NA	27.9
November .....	41.6	43.0	43.0	135.6	30.6	209.2	10.5	10.7	10.9	16.0	W	27.0
December .....	42.4	43.8	43.9	141.1	35.1	220.1	10.7	10.9	11.1	16.3	W	27.4
<b>1998</b> .....	<b>41.7</b>	<b>43.2</b>	<b>44.4</b>	<b>138.9</b>	<b>37.1</b>	<b>220.3</b>	<b>10.1</b>	<b>10.3</b>	<b>11.1</b>	<b>16.3</b>	<b>NA</b>	<b>27.4</b>
<b>1999</b>												
January .....	37.8	39.0	39.4	122.7	27.2	189.3	10.3	10.4	9.7	14.2	NA	23.9
February .....	40.7	42.5	42.9	133.5	32.4	208.8	10.2	10.4	W	15.6	W	26.2
March .....	41.6	43.2	45.1	141.5	35.6	222.2	10.2	10.4	W	16.4	W	27.1
April .....	43.5	45.0	NA	144.1	44.1	235.0	9.9	10.1	NA	15.9	NA	25.9
May .....	43.6	45.0	NA	144.3	43.1	234.2	10.0	10.2	NA	16.1	NA	26.2
June .....	44.7	46.0	NA	154.8	39.5	242.0	10.3	10.5	NA	NA	NA	NA
July .....	45.5	47.3	49.8	155.0	30.0	234.8	10.6	10.8	W	16.7	W	27.8
August .....	43.5	44.9	47.9	154.7	27.1	229.7	9.8	9.9	W	16.3	W	26.7
September .....	40.7	42.1	46.6	152.9	30.2	229.7	9.2	9.4	W	15.9	W	26.0
October .....	41.4	42.7	47.2	150.3	34.7	232.1	9.4	9.6	W	15.6	W	25.8
November .....	40.1	41.4	46.0	150.2	36.4	232.6	9.2	9.3	W	16.1	W	26.2

See footnotes at end of table.

**Table 7. U.S. Refiner Motor Gasoline Volumes by Grade and Sales Type**

(Million Gallons per Day) — Continued

Year Month	Premium						All Grades					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total
<b>1983</b> .....	5.0	6.2	—	—	—	28.7	42.3	51.1	—	—	—	242.5
<b>1984</b> .....	8.5	9.2	—	—	—	33.7	50.3	57.6	—	—	—	246.3
<b>1985</b> .....	9.2	10.0	—	—	—	38.0	50.5	57.5	—	—	—	256.9
<b>1986</b> .....	9.0	9.8	—	—	—	45.1	54.2	61.2	—	—	—	257.2
<b>1987</b> .....	11.2	11.6	—	—	—	53.0	55.7	61.0	—	—	—	257.2
<b>1988</b> .....	13.8	14.5	—	—	—	62.4	56.7	61.0	—	—	—	263.7
<b>1989</b> .....	13.5	14.2	—	—	—	60.8	57.5	61.2	—	—	—	260.7
<b>1990</b> .....	11.2	11.7	—	—	—	53.7	57.4	60.3	—	—	—	264.8
<b>1991</b> .....	10.5	10.9	—	—	—	48.3	58.4	61.2	—	—	—	261.3
<b>1992</b> .....	10.3	10.7	—	—	—	51.7	56.4	59.0	—	—	—	265.4
<b>1993</b> .....	10.3	10.6	—	—	—	52.8	54.9	57.2	—	—	—	266.9
<b>1994</b> .....	10.0	10.3	22.6	29.9	3.2	55.7	52.8	55.0	83.1	165.9	27.7	276.7
<b>1995</b> .....	9.8	10.2	20.8	31.5	4.2	56.4	53.7	55.9	77.9	174.8	36.0	288.8
<b>1996</b> .....	8.4	8.8	18.2	28.3	4.1	50.5	55.1	57.5	77.5	176.8	39.3	293.6
<b>1997</b>												
January .....	7.4	7.8	W	24.6	3.5	44.5	51.8	54.4	73.5	162.2	37.2	272.8
February .....	7.7	8.0	W	25.3	2.8	45.0	54.6	57.3	76.0	168.5	40.9	285.4
March .....	8.0	8.3	17.2	26.0	3.9	47.2	55.7	58.4	76.6	171.4	39.1	287.1
April .....	8.1	8.5	W	27.5	3.9	48.7	55.8	58.9	77.1	178.1	37.8	293.0
May .....	8.1	8.6	W	28.2	3.7	49.0	55.4	57.8	75.4	180.0	37.9	293.3
June .....	8.6	9.0	W	28.8	4.4	50.6	57.4	59.8	75.9	184.1	33.5	293.5
July .....	9.3	9.8	W	31.1	3.4	51.9	62.8	65.3	75.4	197.1	35.4	307.9
August .....	8.7	9.1	W	29.4	4.0	50.1	62.5	64.8	75.3	191.5	37.3	304.0
September .....	8.4	8.9	W	27.1	3.8	46.6	61.2	63.7	72.5	180.9	37.0	290.4
October .....	8.7	9.0	W	28.2	4.8	49.2	62.0	64.4	73.9	185.6	40.2	299.6
November .....	8.6	8.9	W	26.8	4.9	48.4	60.3	62.3	74.7	174.5	37.2	286.4
December .....	9.4	9.6	W	28.5	4.9	50.5	64.0	66.0	75.7	180.5	42.1	298.4
<b>1997</b> .....	8.4	8.8	16.9	27.6	4.0	48.5	58.7	61.1	75.1	179.6	38.0	292.7
<b>1998</b>												
January .....	8.8	9.0	W	26.9	3.5	46.3	58.1	59.9	68.7	169.0	42.1	279.9
February .....	9.2	9.4	W	27.6	2.8	47.2	60.6	62.4	71.4	174.7	40.1	286.2
March .....	9.7	9.9	W	29.1	3.8	50.2	62.6	64.5	73.2	179.7	38.3	291.3
April .....	8.9	9.2	W	29.6	4.8	51.5	57.2	59.0	72.9	182.8	48.9	304.6
May .....	8.9	9.2	W	30.4	4.8	52.3	57.7	59.5	73.3	185.6	46.5	305.4
June .....	9.2	9.4	W	31.8	4.6	54.0	59.0	60.8	74.6	194.3	47.4	316.3
July .....	10.1	10.4	W	33.6	3.7	55.2	65.2	67.2	75.0	199.1	44.6	318.8
August .....	10.2	10.5	W	32.9	4.5	55.3	64.8	66.8	74.3	193.8	40.5	308.6
September .....	10.0	10.3	W	32.1	4.8	54.6	63.1	65.1	72.8	188.8	37.9	299.5
October .....	10.0	10.2	18.0	31.7	4.4	54.1	63.1	65.1	74.4	189.3	35.0	298.7
November .....	9.9	10.2	W	31.4	4.9	54.0	62.0	63.8	71.6	183.1	35.5	290.2
December .....	10.4	10.7	W	34.0	4.9	56.9	63.6	65.4	73.0	191.4	40.1	304.5
<b>1998</b> .....	9.6	9.9	17.4	30.9	4.3	52.7	61.4	63.3	73.0	186.1	41.4	300.4
<b>1999</b>												
January .....	9.8	10.1	16.1	30.1	5.7	51.9	57.9	59.5	65.2	166.9	32.9	265.0
February .....	10.2	10.6	W	32.5	W	55.3	61.2	63.6	71.1	181.7	37.5	290.3
March .....	9.7	10.0	W	33.2	W	54.9	61.6	63.6	73.2	191.1	39.9	304.2
April .....	8.9	9.2	NA	30.0	5.6	51.3	62.3	64.3	NA	190.0	49.8	312.2
May .....	9.1	9.3	NA	30.7	5.6	52.6	62.7	64.5	NA	191.1	48.7	313.0
June .....	9.5	9.7	NA	NA	NA	NA	64.5	66.2	NA	204.8	45.3	324.6
July .....	9.6	10.0	W	32.5	W	54.9	65.7	68.0	77.8	204.2	35.5	317.5
August .....	8.5	8.8	W	31.3	W	51.5	61.8	63.6	73.8	202.4	31.8	307.9
September .....	7.8	8.1	W	29.4	W	50.5	57.8	59.6	72.0	198.2	36.0	306.2
October .....	8.0	8.2	W	28.2	W	50.3	58.8	60.4	72.9	194.2	41.2	308.2
November .....	7.8	8.0	W	29.2	W	50.7	57.0	58.7	71.6	195.6	42.3	309.5

Dash (—) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

Notes: Data for the 4th quarter of 1993 were derived from two separate survey systems. The DTW, Rack, and Bulk components were derived from the revised EIA-782 survey system, while the End-Use and Average Resale categories were derived from the predecessor EIA-782 survey system. Therefore, the DTW, Rack, and Bulk components are not consistent with the Average Resale category. Beginning January 1994, all data are from the revised EIA-782 survey system and are consistent.

Notes: Motor gasoline averages and totals prior to October 1993 include leaded gasoline.

Notes: Values shown for the current month are preliminary. Values shown for previous months are revised. Data are final upon publication in the *Petroleum Marketing Annual*. Totals may not equal the sum of the components due to rounding.

<sup>a</sup> Includes sales through retail outlets as well as all direct sales to end users that were not made through company-operated retail outlets, e.g., sales to agricultural customers, commercial sales, and industrial sales.

Source: Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."

**Table 8. U.S. Refiner Conventional Motor Gasoline Prices by Grade and Sales Type**  
(Cents per Gallon Excluding Taxes)

Year Month	Regular						Midgrade					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average
<b>1994</b> .....	<b>68.7</b>	<b>68.1</b>	<b>63.6</b>	<b>54.5</b>	<b>50.0</b>	<b>55.8</b>	<b>78.4</b>	<b>77.8</b>	<b>69.4</b>	<b>NA</b>	<b>NA</b>	<b>62.7</b>
<b>1995</b> .....	<b>71.0</b>	<b>70.4</b>	<b>65.1</b>	<b>57.0</b>	<b>52.5</b>	<b>57.3</b>	<b>80.0</b>	<b>79.4</b>	<b>71.1</b>	<b>61.0</b>	<b>NA</b>	<b>63.7</b>
<b>1996</b> .....	<b>79.7</b>	<b>79.1</b>	<b>74.3</b>	<b>66.5</b>	<b>60.7</b>	<b>66.4</b>	<b>88.4</b>	<b>87.8</b>	<b>80.1</b>	<b>70.0</b>	<b>NA</b>	<b>72.6</b>
<b>1997</b>												
January .....	82.4	81.7	76.7	71.2	66.2	70.8	91.4	90.9	83.1	75.4	—	77.2
February .....	80.7	80.1	74.9	68.5	64.3	68.3	90.1	89.5	81.3	72.3	—	74.5
March .....	78.5	77.9	72.4	66.1	62.7	66.2	88.4	87.9	78.7	70.1	W	72.2
April .....	78.7	77.9	73.1	65.0	60.7	65.2	88.3	87.8	78.8	69.0	—	71.4
May .....	79.6	79.1	73.4	67.3	61.9	67.1	88.7	88.3	79.1	70.3	—	72.5
June .....	78.5	78.0	72.1	63.7	59.1	64.0	87.7	87.2	78.5	66.8	—	69.6
July .....	76.6	76.1	69.7	63.6	57.5	63.3	85.8	85.4	76.2	67.1	—	69.1
August .....	82.0	81.5	75.8	70.8	63.9	70.3	91.1	90.7	81.9	74.4	—	76.1
September .....	80.5	79.9	74.4	66.1	60.8	66.1	89.8	89.4	81.1	69.6	—	72.2
October .....	76.9	76.3	70.2	62.1	57.0	62.0	86.5	86.1	76.7	65.7	—	68.1
November .....	73.9	73.4	66.9	59.3	54.8	59.3	83.2	82.8	73.6	63.1	—	65.4
December .....	69.5	68.9	62.3	55.0	51.7	55.1	78.8	78.5	69.3	59.1	—	61.3
<b>1997</b> .....	<b>78.1</b>	<b>77.5</b>	<b>71.9</b>	<b>64.9</b>	<b>60.0</b>	<b>64.8</b>	<b>87.4</b>	<b>86.9</b>	<b>78.3</b>	<b>68.5</b>	<b>W</b>	<b>70.8</b>
<b>1998</b>												
January .....	65.7	65.1	59.5	50.9	49.1	51.2	74.2	73.8	66.0	55.2	—	57.5
February .....	63.1	62.6	56.5	49.9	47.2	49.9	72.2	71.7	62.5	53.8	—	55.7
March .....	60.7	60.3	53.8	47.7	45.1	47.8	69.9	69.5	60.1	51.4	—	53.3
April .....	62.5	62.1	55.5	50.9	47.0	50.4	71.7	71.3	61.7	54.7	—	56.2
May .....	65.5	65.1	59.0	53.6	48.5	53.0	74.4	74.0	64.7	57.1	—	58.8
June .....	64.9	64.4	58.4	51.0	46.2	50.7	74.1	73.7	64.4	54.5	W	56.6
July .....	63.6	63.1	57.3	49.7	44.8	49.4	73.0	72.7	63.3	53.0	—	55.1
August .....	60.3	59.7	54.5	44.9	40.7	45.0	70.0	69.6	60.7	48.4	—	51.1
September .....	59.0	58.5	53.2	45.7	40.8	45.6	68.6	68.2	59.3	49.3	—	51.4
October .....	60.4	59.9	54.3	47.3	42.4	47.3	69.8	69.4	60.5	51.7	—	53.6
November .....	56.8	56.3	51.4	40.8	37.6	41.3	66.7	66.3	58.0	45.1	—	47.8
December .....	51.5	51.0	46.3	35.0	32.7	35.6	61.8	61.4	53.3	39.3	—	42.2
<b>1998</b> .....	<b>61.1</b>	<b>60.6</b>	<b>55.1</b>	<b>47.3</b>	<b>43.9</b>	<b>47.3</b>	<b>70.4</b>	<b>70.0</b>	<b>61.3</b>	<b>51.1</b>	<b>W</b>	<b>53.3</b>
<b>1999</b>												
January .....	51.0	50.6	45.4	37.8	33.5	37.8	60.2	59.9	NA	42.0	—	44.2
February .....	49.0	48.4	43.5	36.1	33.1	36.2	58.9	58.5	50.9	40.2	—	42.4
March .....	57.3	56.8	51.8	46.6	40.2	45.9	66.6	66.3	W	50.4	—	52.0
April .....	69.3	68.9	NA	56.2	47.0	55.2	78.5	78.2	NA	59.8	—	62.3
May .....	69.7	69.3	NA	55.7	48.1	55.1	79.4	79.0	NA	59.3	—	61.9
June .....	68.3	67.9	NA	55.6	48.3	55.2	78.2	77.9	NA	NA	—	NA
July .....	74.7	74.1	69.8	63.5	55.4	63.1	83.8	83.3	76.3	67.2	—	69.1
August .....	79.1	78.7	75.6	68.3	61.2	68.1	88.8	88.5	81.6	72.0	—	74.0
September .....	82.9	82.4	78.5	71.4	64.5	71.1	93.0	92.6	85.0	75.2	—	77.2
October .....	81.2	80.7	76.3	67.0	60.8	66.8	91.6	91.3	83.1	70.8	—	73.2
November .....	82.7	82.2	77.7	71.3	64.2	70.6	92.7	92.3	84.5	75.3	—	76.9

See footnotes at end of table.



**Table 8. U.S. Refiner Conventional Motor Gasoline Prices by Grade and Sales Type**

(Cents per Gallon Excluding Taxes) — Continued

Year Month	Premium						All Grades					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average
<b>1994</b> .....	<b>86.3</b>	<b>85.5</b>	<b>77.8</b>	<b>63.8</b>	<b>55.5</b>	<b>68.2</b>	<b>73.6</b>	<b>72.9</b>	<b>68.3</b>	<b>56.5</b>	<b>50.7</b>	<b>58.9</b>
<b>1995</b> .....	<b>87.7</b>	<b>86.8</b>	<b>79.0</b>	<b>66.5</b>	<b>56.8</b>	<b>68.4</b>	<b>75.3</b>	<b>74.6</b>	<b>69.3</b>	<b>59.0</b>	<b>53.0</b>	<b>59.8</b>
<b>1996</b> .....	<b>96.0</b>	<b>95.1</b>	<b>86.9</b>	<b>75.5</b>	<b>64.5</b>	<b>76.7</b>	<b>83.4</b>	<b>82.7</b>	<b>77.8</b>	<b>68.2</b>	<b>61.0</b>	<b>68.5</b>
<b>1997</b>												
January .....	99.8	98.6	90.7	81.0	70.1	81.7	86.1	85.4	80.6	73.0	66.5	72.9
February .....	98.3	97.4	88.7	78.0	67.8	79.2	84.5	83.8	78.7	70.3	64.5	70.3
March .....	96.3	95.5	86.3	W	66.6	76.8	82.5	81.8	76.1	67.9	63.0	68.2
April .....	96.4	95.5	86.4	74.5	64.9	75.8	82.6	81.8	76.6	66.8	61.0	67.3
May .....	96.6	95.6	86.4	76.4	66.3	77.5	83.4	82.8	76.9	69.0	62.2	69.1
June .....	95.4	94.6	85.5	72.8	64.9	74.4	82.3	81.7	75.8	65.4	59.7	66.1
July .....	93.9	93.1	83.5	73.1	63.0	74.3	80.5	79.9	73.5	65.4	57.9	65.5
August .....	99.2	98.3	89.3	80.4	71.4	81.1	85.7	85.1	79.3	72.5	64.6	72.4
September .....	98.2	97.5	88.4	75.5	66.0	76.8	84.3	83.7	78.1	67.8	61.2	68.1
October .....	94.5	93.6	84.0	71.5	61.6	72.6	80.8	80.2	73.9	63.8	57.4	64.1
November .....	91.2	90.4	81.0	68.4	56.3	69.3	77.8	77.2	70.8	61.0	55.0	61.3
December .....	87.2	86.4	76.6	64.3	54.7	65.3	73.5	72.9	66.3	56.8	52.0	57.1
<b>1997</b> .....	<b>95.4</b>	<b>94.6</b>	<b>85.6</b>	<b>74.2</b>	<b>64.1</b>	<b>75.3</b>	<b>81.9</b>	<b>81.3</b>	<b>75.6</b>	<b>66.6</b>	<b>60.4</b>	<b>66.8</b>
<b>1998</b>												
January .....	82.9	82.1	73.9	60.3	52.7	61.7	69.6	69.0	63.7	52.7	49.4	53.3
February .....	80.4	79.6	69.9	59.2	49.5	60.3	67.0	66.5	60.4	51.7	47.3	51.9
March .....	78.0	77.2	67.2	56.9	47.0	57.9	64.7	64.2	57.7	49.5	45.2	49.7
April .....	79.7	79.0	68.8	60.4	50.1	60.7	66.5	66.0	59.3	52.7	47.2	52.4
May .....	82.1	81.4	71.7	63.1	53.6	63.5	69.3	68.9	62.6	55.4	49.0	55.1
June .....	81.8	81.1	W	60.6	51.6	61.3	68.8	68.3	62.1	52.9	46.7	52.8
July .....	80.8	80.1	70.3	59.2	51.0	60.2	67.6	67.1	61.1	51.5	45.2	51.6
August .....	77.9	76.9	67.7	54.7	47.9	56.0	64.5	63.9	58.4	46.8	41.4	47.3
September .....	76.5	75.6	66.4	55.3	45.9	56.1	63.2	62.6	57.1	47.6	41.3	47.8
October .....	78.0	77.3	67.6	57.3	46.8	58.1	64.6	64.1	58.1	49.3	42.8	49.5
November .....	74.6	73.8	65.2	50.4	41.6	51.6	61.2	60.6	55.5	42.8	38.1	43.5
December .....	69.7	68.9	60.7	44.5	34.3	45.7	56.1	55.5	50.7	37.0	32.9	37.8
<b>1998</b> .....	<b>78.3</b>	<b>77.6</b>	<b>68.4</b>	<b>W</b>	<b>47.4</b>	<b>57.6</b>	<b>65.2</b>	<b>64.7</b>	<b>58.9</b>	<b>49.1</b>	<b>44.2</b>	<b>49.4</b>
<b>1999</b>												
January .....	68.8	68.1	NA	47.3	36.6	47.6	55.6	55.2	49.8	39.9	34.0	40.1
February .....	67.2	66.0	NA	45.6	36.7	46.5	53.6	52.9	48.1	38.1	33.5	38.5
March .....	74.2	73.4	NA	W	43.5	56.1	61.4	60.9	55.7	48.5	40.5	48.0
April .....	86.2	85.5	NA	66.0	52.7	66.1	73.1	72.7	NA	58.0	47.6	57.3
May .....	87.3	86.7	NA	65.5	54.3	66.1	73.7	73.3	NA	57.6	48.7	57.3
June .....	85.8	85.1	NA	65.3	NA	NA	72.4	72.0	NA	57.4	48.8	57.3
July .....	91.5	90.4	83.3	72.9	58.0	72.6	78.6	77.9	73.4	65.3	55.8	65.1
August .....	96.3	95.6	88.7	77.8	63.0	77.8	83.0	82.5	79.0	70.0	61.5	70.1
September .....	100.2	99.2	92.0	81.0	68.7	80.9	86.8	86.2	82.1	73.1	65.1	73.0
October .....	99.5	98.7	90.8	76.6	64.7	76.7	85.2	84.7	80.1	68.7	61.4	68.8
November .....	100.0	99.1	92.4	81.0	67.8	80.9	86.5	86.0	81.6	73.0	64.6	72.6

Dash (—) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

<sup>a</sup> Includes sales through retail outlets as well as all direct sales to end users that were not made through company-operated retail outlets, e.g., sales to agricultural customers, commercial sales, and industrial sales.

Notes: The 4th quarter of 1993 was a transitional period between the predecessor EIA-782 survey system and the revised EIA-782 survey system. The revised survey system contains additional product and sales categories, which may not be consistent with categories derived from the predecessor survey system. Beginning January 1994 all data are from the revised survey system and are consistent.

Notes: Values shown for the current month are preliminary. Values shown for previous months are revised. Data are final upon publication in the *Petroleum Marketing Annual*.

Source: Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."

**Table 9. U.S. Refiner Conventional Motor Gasoline Volumes by Grade and Sales Type**  
(Million Gallons per Day)

Year Month	Regular						Midgrade					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total
<b>1994</b> .....	<b>29.7</b>	<b>31.2</b>	<b>36.1</b>	<b>113.5</b>	<b>22.8</b>	<b>172.4</b>	<b>7.6</b>	<b>7.8</b>	<b>10.1</b>	<b>14.6</b>	<b>0.1</b>	<b>24.8</b>
<b>1995</b> .....	<b>24.0</b>	<b>25.3</b>	<b>19.4</b>	<b>105.1</b>	<b>26.0</b>	<b>150.5</b>	<b>6.0</b>	<b>6.3</b>	<b>5.1</b>	<b>13.6</b>	<b>0.1</b>	<b>18.7</b>
<b>1996</b> .....	<b>24.1</b>	<b>25.4</b>	<b>17.8</b>	<b>108.5</b>	<b>27.1</b>	<b>153.4</b>	<b>5.7</b>	<b>5.9</b>	<b>4.4</b>	<b>12.9</b>	<b>NA</b>	<b>17.3</b>
<b>1997</b>												
January .....	20.6	22.0	14.8	98.3	26.4	139.6	4.7	4.9	3.7	11.5	—	15.1
February .....	22.1	23.7	15.4	102.9	31.2	149.5	5.0	5.2	3.8	11.9	—	15.7
March .....	24.0	25.5	16.8	106.4	27.7	150.9	5.5	5.7	4.0	12.2	W	16.2
April .....	25.1	26.9	18.2	111.8	26.9	156.9	5.8	5.9	4.2	12.9	—	17.0
May .....	24.7	26.0	17.7	112.7	26.3	156.7	5.7	5.8	4.2	13.0	—	17.1
June .....	25.6	26.9	17.7	115.4	22.1	155.2	5.9	6.1	4.2	13.3	—	17.4
July .....	27.8	29.1	17.2	123.4	25.2	165.8	6.4	6.6	4.1	14.4	—	18.5
August .....	27.3	28.7	17.3	119.9	24.7	161.9	6.2	6.4	4.0	13.5	—	17.6
September .....	26.4	27.8	16.2	113.1	25.8	155.1	6.0	6.2	3.7	12.7	—	16.5
October .....	26.1	27.5	15.8	113.9	26.7	156.4	6.0	6.1	3.7	13.0	—	16.7
November .....	24.3	25.5	14.7	104.9	25.4	145.1	5.5	5.7	3.5	11.9	—	15.4
December .....	25.1	26.4	14.8	107.4	28.4	150.7	5.8	6.0	3.5	12.6	—	16.1
<b>1997</b> .....	<b>25.0</b>	<b>26.4</b>	<b>16.4</b>	<b>110.9</b>	<b>26.4</b>	<b>153.7</b>	<b>5.7</b>	<b>5.9</b>	<b>3.9</b>	<b>12.7</b>	<b>W</b>	<b>16.6</b>
<b>1998</b>												
January .....	22.8	24.0	12.1	100.6	30.2	142.9	5.5	5.7	3.1	11.5	—	14.6
February .....	24.4	25.5	12.7	104.6	29.7	147.1	5.5	5.7	3.3	11.7	—	15.0
March .....	26.0	27.2	13.5	108.9	27.7	150.1	6.0	6.1	3.3	12.4	—	15.7
April .....	24.2	25.4	14.2	112.5	36.1	162.8	5.5	5.7	3.4	12.5	—	15.9
May .....	24.8	25.9	14.5	113.8	32.7	160.9	5.7	5.8	3.5	12.6	—	16.1
June .....	25.2	26.4	14.7	119.3	35.2	169.2	5.8	6.0	3.6	13.0	W	16.6
July .....	27.4	28.5	14.6	121.4	30.6	166.6	6.4	6.6	3.5	13.4	—	16.9
August .....	27.1	28.4	14.3	116.9	28.2	159.5	6.4	6.5	3.5	12.9	—	16.5
September .....	25.7	26.9	13.5	113.6	23.7	150.8	6.1	6.3	3.3	12.5	—	15.8
October .....	26.6	27.9	14.5	113.0	22.8	150.3	6.5	6.6	3.5	12.7	—	16.1
November .....	25.2	26.4	12.7	107.4	22.8	142.9	6.1	6.3	3.2	12.1	—	15.2
December .....	25.5	26.5	12.8	111.2	26.0	150.0	6.2	6.4	3.2	12.3	—	15.5
<b>1998</b> .....	<b>25.4</b>	<b>26.6</b>	<b>13.7</b>	<b>112.0</b>	<b>28.8</b>	<b>154.5</b>	<b>6.0</b>	<b>6.1</b>	<b>3.4</b>	<b>12.5</b>	<b>W</b>	<b>15.8</b>
<b>1999</b>												
January .....	22.4	23.3	10.9	96.6	19.2	126.7	6.1	6.2	NA	10.6	—	13.4
February .....	24.6	26.1	11.9	105.4	23.3	140.6	6.1	6.2	3.0	11.9	—	14.9
March .....	25.2	26.4	12.8	113.9	27.1	153.8	6.1	6.2	W	W	—	15.7
April .....	26.9	28.1	NA	117.8	34.7	167.0	6.1	6.3	NA	12.4	—	15.6
May .....	26.7	27.8	NA	116.9	32.3	163.7	6.1	6.2	NA	12.3	—	15.5
June .....	26.8	27.9	NA	124.7	27.5	166.7	6.2	6.3	NA	NA	—	NA
July .....	28.3	29.7	15.7	125.5	19.8	161.0	6.6	6.8	3.5	12.7	—	16.2
August .....	26.3	27.3	14.5	125.0	19.1	158.5	5.9	6.0	3.2	12.4	—	15.7
September .....	24.4	25.5	13.6	122.7	21.2	157.5	5.5	5.6	3.0	12.1	—	15.1
October .....	24.4	25.4	12.8	118.9	23.5	155.2	5.5	5.6	2.9	11.8	—	14.7
November .....	23.5	24.5	11.8	117.9	25.8	155.6	5.2	5.3	2.6	12.1	—	14.8

See footnotes at end of table.

**Table 9. U.S. Refiner Conventional Motor Gasoline Volumes by Grade and Sales Type**

(Million Gallons per Day) — Continued

Year Month	Premium						All Grades					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total
<b>1994</b> .....	<b>8.5</b>	<b>8.9</b>	<b>16.5</b>	<b>28.0</b>	<b>2.8</b>	<b>47.2</b>	<b>45.8</b>	<b>47.9</b>	<b>62.7</b>	<b>156.0</b>	<b>25.8</b>	<b>244.5</b>
<b>1995</b> .....	<b>6.2</b>	<b>6.4</b>	<b>7.7</b>	<b>25.1</b>	<b>2.9</b>	<b>35.6</b>	<b>36.2</b>	<b>38.0</b>	<b>32.1</b>	<b>143.8</b>	<b>28.9</b>	<b>204.8</b>
<b>1996</b> .....	<b>4.9</b>	<b>5.1</b>	<b>5.8</b>	<b>22.5</b>	<b>2.5</b>	<b>30.8</b>	<b>34.7</b>	<b>36.5</b>	<b>28.1</b>	<b>143.8</b>	<b>29.6</b>	<b>201.5</b>
<b>1997</b>												
January .....	3.9	4.1	4.7	19.2	2.4	26.3	29.2	31.1	23.2	129.0	28.8	181.0
February .....	4.1	4.3	4.9	19.8	2.0	26.7	31.3	33.2	24.1	134.7	33.2	191.9
March .....	4.6	4.8	5.2	W	2.4	28.4	34.1	36.0	26.0	139.3	30.2	195.5
April .....	4.8	5.0	5.5	22.1	2.5	30.1	35.7	37.9	27.9	146.7	29.4	204.0
May .....	4.8	5.0	5.6	22.6	2.1	30.3	35.2	36.9	27.4	148.3	28.4	204.1
June .....	5.1	5.3	5.6	23.0	2.8	31.4	36.5	38.2	27.4	151.7	24.8	204.0
July .....	5.4	5.7	5.5	25.0	1.9	32.4	39.7	41.3	26.8	162.8	27.0	216.6
August .....	5.0	5.2	5.2	23.5	2.6	31.3	38.5	40.2	26.5	156.9	27.3	210.7
September .....	4.8	5.0	4.8	21.7	2.5	29.0	37.3	39.0	24.7	147.5	28.4	200.6
October .....	4.9	5.2	4.9	22.3	2.8	29.9	37.0	38.9	24.4	149.2	29.5	203.0
November .....	4.7	5.0	4.7	20.9	2.7	28.3	34.6	36.1	22.9	137.7	28.2	188.7
December .....	5.1	5.3	4.8	22.2	3.0	30.0	36.0	37.7	23.1	142.2	31.4	196.8
<b>1997</b> .....	<b>4.8</b>	<b>5.0</b>	<b>5.1</b>	<b>21.9</b>	<b>2.5</b>	<b>29.5</b>	<b>35.4</b>	<b>37.2</b>	<b>25.4</b>	<b>145.6</b>	<b>28.9</b>	<b>199.8</b>
<b>1998</b>												
January .....	4.8	5.0	4.2	21.1	2.5	27.7	33.2	34.7	19.4	133.1	32.7	185.2
February .....	5.1	5.3	4.4	21.6	1.7	27.8	35.0	36.5	20.4	137.9	31.5	189.8
March .....	5.6	5.8	4.7	23.1	2.0	29.8	37.6	39.1	21.5	144.4	29.7	195.5
April .....	5.1	5.4	4.8	23.7	3.1	31.6	34.9	36.4	22.5	148.7	39.1	210.3
May .....	5.2	5.4	4.9	24.3	3.0	32.2	35.7	37.2	22.9	150.7	35.7	209.3
June .....	5.3	5.5	W	25.5	3.4	33.9	36.4	37.9	23.3	157.8	38.6	219.7
July .....	5.8	6.1	5.0	26.9	2.6	34.5	39.6	41.1	23.2	161.7	33.2	218.1
August .....	5.9	6.2	5.0	26.2	2.9	34.1	39.4	41.1	22.9	156.0	31.1	210.0
September .....	5.7	6.0	4.8	25.5	2.6	32.8	37.6	39.2	21.6	151.6	26.3	199.5
October .....	5.8	6.0	4.9	24.8	2.4	32.0	38.9	40.5	22.8	150.4	25.2	198.5
November .....	5.7	5.9	4.5	24.3	3.0	31.8	37.1	38.5	20.4	143.8	25.8	189.9
December .....	6.0	6.3	4.7	26.5	3.4	34.5	37.8	39.1	20.7	149.9	29.4	200.0
<b>1998</b> .....	<b>5.5</b>	<b>5.7</b>	<b>4.7</b>	<b>W</b>	<b>2.7</b>	<b>31.9</b>	<b>36.9</b>	<b>38.5</b>	<b>21.8</b>	<b>148.9</b>	<b>31.5</b>	<b>202.2</b>
<b>1999</b>												
January .....	5.7	5.9	NA	23.3	3.7	31.2	34.2	35.5	17.8	130.5	22.9	171.3
February .....	6.0	6.3	4.6	25.2	3.3	33.1	36.7	38.6	19.5	142.5	26.6	188.6
March .....	5.6	5.9	W	W	2.6	33.5	36.9	38.5	20.5	152.8	29.7	203.0
April .....	5.3	5.6	NA	24.1	3.6	32.2	38.4	39.9	NA	154.2	38.3	214.8
May .....	5.3	5.5	NA	24.4	3.4	32.4	38.2	39.6	NA	153.5	35.8	211.7
June .....	5.5	5.7	NA	26.1	NA	NA	38.6	39.9	NA	163.8	31.6	217.8
July .....	5.9	6.2	4.8	25.8	3.8	34.4	40.8	42.6	24.0	164.0	23.6	211.6
August .....	5.0	5.2	4.3	24.7	3.2	32.1	37.2	38.5	22.0	162.1	22.3	206.3
September .....	4.5	4.7	4.0	23.0	4.0	31.0	34.4	35.7	20.7	157.7	25.2	203.6
October .....	4.5	4.6	3.8	21.7	4.3	29.9	34.4	35.7	19.5	152.4	27.8	199.7
November .....	4.3	4.4	3.6	22.2	3.4	29.2	33.0	34.2	18.1	152.2	29.2	199.5

Dash (—) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

<sup>a</sup> Includes sales through retail outlets as well as all direct sales to end users that were not made through company-operated retail outlets, e.g., sales to agricultural customers, commercial sales, and industrial sales.

Notes: The 4th quarter of 1993 was a transitional period between the predecessor EIA-782 survey system and the revised EIA-782 survey system. The revised survey system contains additional product and sales categories, which may not be consistent with categories derived from the predecessor survey system. Beginning January 1994 all data are from the revised survey system and are consistent.

Notes: Values shown for the current month are preliminary. Values shown for previous months are revised. Data are final upon publication in the *Petroleum Marketing Annual*. Totals may not equal the sum of the components due to rounding.

Source: Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."

**Table 10. U.S. Refiner Oxygenated Motor Gasoline Prices by Grade and Sales Type**  
(Cents per Gallon Excluding Taxes)

Year Month	Regular						Midgrade					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average
<b>1994</b> .....	<b>74.3</b>	<b>73.9</b>	<b>66.7</b>	<b>58.6</b>	<b>52.7</b>	<b>63.2</b>	<b>84.3</b>	<b>83.8</b>	<b>72.7</b>	<b>62.2</b>	<b>W</b>	<b>69.6</b>
<b>1995</b> .....	<b>76.7</b>	<b>76.5</b>	<b>70.9</b>	<b>63.0</b>	<b>59.2</b>	<b>66.5</b>	<b>83.4</b>	<b>83.3</b>	<b>75.0</b>	<b>65.9</b>	<b>—</b>	<b>71.3</b>
<b>1996</b> .....	<b>87.0</b>	<b>86.7</b>	<b>78.4</b>	<b>71.8</b>	<b>W</b>	<b>74.6</b>	<b>94.0</b>	<b>93.9</b>	<b>83.2</b>	<b>73.8</b>	<b>—</b>	<b>79.3</b>
<b>1997</b>												
January .....	88.7	88.6	80.0	77.2	—	78.3	99.7	99.7	W	80.3	—	82.7
February .....	91.3	91.1	85.0	77.7	—	80.7	100.9	100.9	W	80.7	—	85.0
March .....	92.4	92.1	86.4	75.4	—	80.4	100.7	100.7	90.9	76.7	—	85.5
April .....	88.7	88.4	82.1	69.4	—	72.3	95.5	95.5	W	70.4	—	75.8
May .....	89.3	89.2	82.5	75.4	—	78.0	96.8	96.8	W	76.2	—	82.1
June .....	88.0	87.8	80.1	71.6	—	74.7	96.0	95.9	W	72.9	—	78.0
July .....	85.0	84.9	75.1	71.1	—	72.5	93.2	93.2	W	72.9	—	76.4
August .....	87.6	87.5	79.9	77.7	—	78.4	96.5	96.4	W	79.5	—	81.8
September .....	91.5	91.3	85.4	75.0	—	78.6	100.0	100.0	W	78.7	—	82.9
October .....	90.2	89.9	84.6	71.8	—	76.0	98.7	98.6	W	74.6	—	79.7
November .....	87.7	87.5	81.7	70.1	—	74.2	97.8	97.8	W	73.2	—	78.6
December .....	83.5	83.4	76.5	64.7	—	68.8	94.7	94.7	W	68.0	—	74.0
<b>1997</b> .....	<b>88.6</b>	<b>88.4</b>	<b>81.6</b>	<b>72.5</b>	<b>—</b>	<b>75.8</b>	<b>98.0</b>	<b>98.0</b>	<b>86.6</b>	<b>75.0</b>	<b>—</b>	<b>80.1</b>
<b>1998</b>												
January .....	77.8	77.7	71.3	59.2	—	63.4	88.6	88.6	W	61.0	—	66.9
February .....	70.8	70.7	64.1	57.7	—	60.0	80.7	80.7	W	59.6	—	63.5
March .....	65.7	65.7	56.3	55.8	—	56.0	76.0	75.9	W	57.1	—	59.6
April .....	66.6	66.6	58.8	57.2	—	57.8	75.9	75.9	W	58.2	—	60.4
May .....	71.7	71.6	64.4	60.6	—	61.9	80.2	80.2	W	61.4	—	64.5
June .....	73.6	73.5	64.7	59.2	—	61.0	82.1	82.1	W	60.3	—	63.5
July .....	72.2	72.1	63.9	58.5	—	60.4	81.3	81.3	W	59.5	—	62.7
August .....	68.3	68.2	61.4	53.6	—	56.4	77.2	77.2	W	54.7	—	58.9
September .....	67.4	67.3	61.0	53.8	—	56.6	76.6	76.5	W	55.2	—	59.3
October .....	69.7	69.5	60.2	54.0	—	56.1	78.6	78.6	66.9	55.9	—	59.7
November .....	62.9	62.7	59.0	49.9	—	53.1	73.0	73.0	W	51.1	—	56.6
December .....	59.9	59.8	56.2	44.3	—	48.6	69.1	69.3	W	45.1	—	51.6
<b>1998</b> .....	<b>68.8</b>	<b>68.7</b>	<b>61.5</b>	<b>54.5</b>	<b>—</b>	<b>57.1</b>	<b>78.3</b>	<b>78.3</b>	<b>68.1</b>	<b>56.1</b>	<b>—</b>	<b>60.2</b>
<b>1999</b>												
January .....	58.9	58.8	53.9	45.9	—	49.0	68.7	68.7	60.3	47.6	—	52.4
February .....	56.2	56.2	50.9	45.8	—	47.9	66.8	66.8	W	47.8	—	51.8
March .....	67.9	67.8	61.2	55.2	—	58.1	77.2	77.2	67.8	56.1	—	60.7
April .....	83.8	83.7	NA	62.5	—	NA	90.1	90.1	NA	63.4	—	68.6
May .....	81.5	81.4	83.0	61.5	—	71.4	87.7	87.7	NA	62.3	—	67.3
June .....	79.8	79.8	NA	60.9	—	69.2	86.1	86.1	NA	61.9	—	NA
July .....	84.4	84.4	87.3	68.0	—	76.2	90.7	90.7	W	68.6	—	73.0
August .....	91.1	91.1	NA	73.9	—	82.4	97.2	97.2	W	74.2	—	79.0
September .....	93.5	93.5	90.5	77.3	—	82.8	101.6	101.5	W	77.9	—	81.9
October .....	88.5	88.5	85.8	73.9	—	79.5	98.3	98.2	W	73.5	—	79.2
November .....	89.2	89.2	85.9	76.5	—	80.6	99.7	99.6	W	77.0	—	81.9

See footnotes at end of table.

**Table 10. U.S. Refiner Oxygenated Motor Gasoline Prices by Grade and Sales Type**

(Cents per Gallon Excluding Taxes) — Continued

Year Month	Premium						All Grades					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average
<b>1994</b> .....	<b>92.9</b>	<b>92.4</b>	<b>79.9</b>	<b>67.5</b>	<b>56.7</b>	<b>76.5</b>	<b>79.3</b>	<b>78.8</b>	<b>71.5</b>	<b>60.7</b>	<b>53.5</b>	<b>67.5</b>
<b>1995</b> .....	<b>94.6</b>	<b>94.3</b>	<b>84.7</b>	<b>72.4</b>	<b>W</b>	<b>79.1</b>	<b>80.4</b>	<b>80.2</b>	<b>74.2</b>	<b>64.7</b>	<b>59.5</b>	<b>69.1</b>
<b>1996</b> .....	<b>103.7</b>	<b>103.5</b>	<b>90.7</b>	<b>80.0</b>	<b>58.3</b>	<b>85.5</b>	<b>90.2</b>	<b>90.0</b>	<b>81.1</b>	<b>73.1</b>	<b>W</b>	<b>76.8</b>
<b>1997</b>												
January .....	108.5	108.3	93.2	W	—	89.1	92.8	92.6	82.5	78.5	—	80.2
February .....	110.9	110.6	98.1	W	—	91.9	94.9	94.7	87.4	79.0	—	82.6
March .....	111.0	110.6	100.2	82.6	—	92.5	95.5	95.2	89.1	76.3	—	82.5
April .....	104.2	104.2	94.7	W	—	79.9	91.1	90.9	84.0	70.1	—	73.5
May .....	105.5	105.5	98.4	W	—	86.6	91.7	91.6	84.7	76.0	—	79.3
June .....	104.7	104.7	93.2	W	—	82.2	90.4	90.3	81.9	72.3	—	75.8
July .....	101.8	101.8	88.5	W	—	79.6	87.6	87.5	77.0	71.9	—	73.7
August .....	105.1	104.9	92.6	W	—	85.7	90.3	90.1	81.6	78.4	—	79.5
September .....	108.5	108.1	97.7	W	—	87.4	94.0	93.7	87.2	76.2	—	80.1
October .....	107.7	107.2	97.5	W	—	87.0	92.9	92.6	86.7	73.0	—	77.6
November .....	107.3	107.0	95.0	W	—	85.7	91.4	91.1	84.0	71.5	—	76.0
December .....	104.1	104.1	90.3	W	—	80.5	87.5	87.3	79.0	66.0	—	70.8
<b>1997</b> .....	<b>107.3</b>	<b>107.1</b>	<b>95.1</b>	<b>80.5</b>	—	<b>86.4</b>	<b>91.8</b>	<b>91.6</b>	<b>84.0</b>	<b>73.6</b>	—	<b>77.5</b>
<b>1998</b>												
January .....	98.3	98.3	85.3	W	—	74.5	81.8	81.7	73.9	60.4	—	65.2
February .....	90.5	90.4	78.5	W	—	71.1	74.2	74.1	66.8	58.8	—	61.7
March .....	84.6	84.6	70.8	W	—	66.9	68.5	68.5	59.1	56.7	—	57.8
April .....	85.1	85.1	75.1	W	—	67.8	69.3	69.2	61.3	57.9	—	59.0
May .....	89.1	89.1	80.6	W	—	72.0	74.2	74.1	67.0	61.1	—	63.2
June .....	90.7	90.7	79.6	W	—	69.9	76.1	76.0	67.1	59.8	—	62.1
July .....	89.1	89.1	78.5	W	—	70.5	74.8	74.6	66.4	59.1	—	61.6
August .....	84.9	84.9	75.5	W	—	66.8	70.9	70.7	64.0	54.2	—	57.8
September .....	85.3	85.3	75.9	W	—	68.1	70.2	70.1	63.9	54.7	—	58.3
October .....	87.5	87.5	73.1	62.1	—	67.3	72.8	72.6	63.5	55.2	—	58.2
November .....	81.4	81.4	72.1	W	—	65.6	66.9	66.7	62.5	51.4	—	55.6
December .....	78.2	78.1	69.8	W	—	60.7	63.7	63.6	59.3	45.5	—	50.7
<b>1998</b> .....	<b>87.0</b>	<b>87.0</b>	<b>75.0</b>	<b>61.7</b>	—	<b>67.6</b>	<b>72.0</b>	<b>71.9</b>	<b>64.3</b>	<b>55.5</b>	—	<b>58.7</b>
<b>1999</b>												
January .....	79.1	79.1	NA	54.4	—	60.2	62.6	62.5	57.0	47.3	—	51.1
February .....	76.8	76.8	NA	W	—	59.7	60.0	59.9	54.0	47.3	—	50.2
March .....	87.7	87.7	NA	63.1	—	70.0	71.1	71.1	64.2	56.1	—	60.1
April .....	99.6	99.6	NA	69.6	—	NA	85.7	85.6	NA	63.2	—	NA
May .....	96.6	96.6	NA	68.3	—	NA	83.4	83.3	NA	62.1	—	71.8
June .....	94.9	94.9	NA	68.3	—	NA	81.8	81.7	NA	61.6	—	69.9
July .....	97.0	97.0	NA	W	—	86.3	86.1	86.1	88.3	68.7	—	76.7
August .....	105.1	105.1	NA	W	—	92.4	92.8	92.8	NA	74.5	—	82.9
September .....	110.5	110.5	NA	W	—	93.0	95.7	95.6	91.9	78.1	—	83.7
October .....	107.6	107.6	96.6	W	—	92.0	91.3	91.2	87.8	74.8	—	80.9
November .....	109.6	109.5	97.3	W	—	92.2	92.5	92.4	88.3	77.7	—	82.3

Dash (—) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

<sup>a</sup> Includes sales through retail outlets as well as all direct sales to end users that were not made through company-operated retail outlets, e.g., sales to agricultural customers, commercial sales, and industrial sales.

Notes: The 4th quarter of 1993 was a transitional period between the predecessor EIA-782 survey system and the revised EIA-782 survey system. The revised survey system contains additional product and sales categories, which may not be consistent with categories derived from the predecessor survey system. Beginning January 1994 all data are from the revised survey system and are consistent.

Notes: Values shown for the current month are preliminary. Values shown for previous months are revised. Data are final upon publication in the *Petroleum Marketing Annual*.

Source: Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."

**Table 11. U.S. Refiner Oxygenated Motor Gasoline Volumes by Grade and Sales Type**  
(Million Gallons per Day)

Year Month	Regular						Midgrade					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total
<b>1994</b> .....	<b>4.0</b>	<b>4.1</b>	<b>9.4</b>	<b>5.2</b>	<b>0.9</b>	<b>15.5</b>	<b>0.7</b>	<b>0.7</b>	<b>2.1</b>	<b>0.8</b>	<b>W</b>	<b>2.9</b>
<b>1995</b> .....	<b>2.5</b>	<b>2.5</b>	<b>3.8</b>	<b>W</b>	<b>W</b>	<b>8.1</b>	<b>0.5</b>	<b>0.5</b>	<b>0.8</b>	<b>0.5</b>	<b>—</b>	<b>1.3</b>
<b>1996</b> .....	<b>2.4</b>	<b>2.5</b>	<b>2.6</b>	<b>2.9</b>	<b>W</b>	<b>5.6</b>	<b>0.5</b>	<b>0.5</b>	<b>0.5</b>	<b>0.4</b>	<b>—</b>	<b>0.9</b>
<b>1997</b>												
January .....	3.7	3.7	2.9	4.5	—	7.4	0.8	0.8	W	0.5	—	1.1
February .....	3.6	3.7	2.9	4.2	—	7.1	0.7	0.7	W	0.5	—	1.0
March .....	2.1	2.1	1.9	2.3	—	4.1	0.4	0.4	0.4	0.2	—	0.6
April .....	0.9	0.9	0.5	1.6	—	2.1	0.2	0.2	W	0.2	—	0.3
May .....	1.3	1.4	1.0	1.7	—	2.7	0.2	0.2	W	0.2	—	0.3
June .....	1.5	1.6	1.0	1.8	—	2.8	0.3	0.3	W	0.2	—	0.4
July .....	1.3	1.4	1.0	1.8	—	2.8	0.2	0.2	W	0.2	—	0.4
August .....	1.3	1.4	1.0	1.9	—	2.8	0.2	0.2	W	0.2	—	0.4
September .....	1.6	1.6	1.3	2.4	—	3.7	0.2	0.2	W	0.4	—	0.6
October .....	2.1	2.2	2.0	4.2	—	6.3	0.4	0.4	W	0.7	—	1.1
November .....	3.1	3.2	2.9	5.3	—	8.2	0.7	0.7	W	0.8	—	1.3
December .....	3.4	3.4	3.0	5.6	—	8.6	0.7	0.7	W	0.8	—	1.3
<b>1997</b> .....	<b>2.2</b>	<b>2.2</b>	<b>1.8</b>	<b>3.1</b>	<b>—</b>	<b>4.9</b>	<b>0.4</b>	<b>0.4</b>	<b>0.3</b>	<b>0.4</b>	<b>—</b>	<b>0.7</b>
<b>1998</b>												
January .....	3.0	3.0	2.8	5.3	—	8.1	0.7	0.7	W	0.9	—	1.4
February .....	3.0	3.0	2.7	5.0	—	7.7	0.6	0.6	W	0.9	—	1.3
March .....	2.4	2.4	2.4	3.1	—	5.5	0.3	0.3	W	0.6	—	1.0
April .....	1.7	1.7	1.5	2.7	—	4.2	0.3	0.3	W	0.6	—	0.8
May .....	1.6	1.6	1.4	2.6	—	4.1	0.2	0.2	W	0.5	—	0.7
June .....	1.6	1.6	1.5	3.1	—	4.6	0.2	0.2	W	0.6	—	0.8
July .....	1.5	1.5	1.5	2.9	—	4.4	0.2	0.2	W	0.6	—	0.8
August .....	1.5	1.5	1.6	2.7	—	4.3	0.2	0.2	W	0.6	—	0.8
September .....	1.6	1.6	2.0	3.1	—	5.2	0.3	0.3	W	0.7	—	1.0
October .....	1.6	1.6	2.3	4.4	—	6.7	0.3	0.3	0.4	0.8	—	1.2
November .....	2.5	2.5	3.0	5.5	—	8.5	0.6	0.6	W	0.9	—	1.5
December .....	2.5	2.6	3.3	5.8	—	9.1	0.6	0.6	W	0.9	—	1.5
<b>1998</b> .....	<b>2.0</b>	<b>2.1</b>	<b>2.2</b>	<b>3.9</b>	<b>—</b>	<b>6.0</b>	<b>0.4</b>	<b>0.4</b>	<b>0.4</b>	<b>0.7</b>	<b>—</b>	<b>1.1</b>
<b>1999</b>												
January .....	2.4	2.4	3.1	4.9	—	7.9	0.5	0.5	0.5	0.8	—	1.3
February .....	2.5	2.5	3.5	4.9	—	8.3	0.5	0.5	W	W	—	1.3
March .....	2.2	2.2	3.2	3.4	—	6.6	0.4	0.4	0.5	0.8	—	1.3
April .....	1.4	1.4	1.9	2.3	—	4.2	0.2	0.2	NA	0.7	—	0.9
May .....	1.4	1.4	2.0	2.3	—	4.3	0.2	0.2	NA	0.7	—	0.9
June .....	1.5	1.5	NA	2.7	—	4.7	0.2	0.2	NA	0.8	—	NA
July .....	1.6	1.6	2.1	2.8	—	4.8	0.2	0.2	W	W	—	1.0
August .....	1.6	1.6	1.9	2.8	—	4.7	0.2	0.2	W	W	—	0.9
September .....	1.6	1.6	2.3	3.2	—	5.5	0.2	0.2	W	W	—	1.0
October .....	1.9	1.9	3.6	4.1	—	7.7	0.3	0.3	W	W	—	1.2
November .....	2.6	2.7	4.1	5.4	—	9.4	0.5	0.5	W	W	—	1.5

See footnotes at end of table.

**Table 11. U.S. Refiner Oxygenated Motor Gasoline Volumes by Grade and Sales Type**

(Million Gallons per Day) — Continued

Year Month	Premium						All Grades					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total
<b>1994</b> .....	<b>1.2</b>	<b>1.2</b>	<b>5.0</b>	<b>1.4</b>	<b>0.2</b>	<b>6.6</b>	<b>5.9</b>	<b>6.1</b>	<b>16.5</b>	<b>7.4</b>	<b>1.1</b>	<b>25.0</b>
<b>1995</b> .....	<b>0.5</b>	<b>0.5</b>	<b>1.1</b>	<b>W</b>	<b>W</b>	<b>1.9</b>	<b>3.5</b>	<b>3.6</b>	<b>5.7</b>	<b>5.1</b>	<b>0.6</b>	<b>11.3</b>
<b>1996</b> .....	<b>0.4</b>	<b>0.4</b>	<b>0.6</b>	<b>0.5</b>	<b>NA</b>	<b>1.1</b>	<b>3.4</b>	<b>3.4</b>	<b>3.7</b>	<b>3.8</b>	<b>W</b>	<b>7.6</b>
<b>1997</b>												
January .....	0.6	0.6	0.6	W	—	1.3	5.1	5.2	4.1	5.7	—	9.8
February .....	0.5	0.5	0.6	W	—	1.2	4.9	5.0	4.0	5.3	—	9.3
March .....	0.3	0.3	0.4	0.3	—	0.7	2.7	2.8	2.6	2.8	—	5.4
April .....	0.1	0.1	0.1	W	—	0.3	1.2	1.2	0.7	2.0	—	2.7
May .....	0.1	0.1	0.1	W	—	0.3	1.7	1.7	1.3	2.1	—	3.4
June .....	0.2	0.2	0.1	W	—	0.4	2.0	2.0	1.3	2.3	—	3.6
July .....	0.2	0.2	0.1	W	—	0.4	1.7	1.7	1.3	2.3	—	3.6
August .....	0.1	0.1	0.1	W	—	0.4	1.7	1.7	1.3	2.4	—	3.6
September .....	0.2	0.2	0.2	W	—	0.5	2.0	2.1	1.7	3.1	—	4.8
October .....	0.3	0.3	0.3	W	—	0.8	2.8	2.8	2.7	5.5	—	8.2
November .....	0.4	0.4	0.5	W	—	1.2	4.2	4.3	3.9	6.8	—	10.7
December .....	0.5	0.5	0.5	W	—	1.3	4.6	4.6	4.1	7.1	—	11.2
<b>1997</b> .....	<b>0.3</b>	<b>0.3</b>	<b>0.3</b>	<b>0.4</b>	<b>—</b>	<b>0.7</b>	<b>2.9</b>	<b>2.9</b>	<b>2.4</b>	<b>3.9</b>	<b>—</b>	<b>6.3</b>
<b>1998</b>												
January .....	0.4	0.4	0.5	W	—	1.3	4.1	4.2	3.8	6.9	—	10.7
February .....	0.4	0.4	0.5	W	—	1.2	3.9	4.0	3.7	6.5	—	10.2
March .....	0.2	0.2	0.4	W	—	0.8	2.9	3.0	3.2	4.1	—	7.4
April .....	0.2	0.2	0.2	W	—	0.5	2.2	2.2	1.9	3.6	—	5.4
May .....	0.2	0.2	0.2	W	—	0.5	2.0	2.0	1.8	3.4	—	5.3
June .....	0.2	0.2	0.2	W	—	0.6	2.0	2.0	1.9	4.1	—	6.0
July .....	0.2	0.2	0.2	W	—	0.5	1.9	2.0	2.0	3.8	—	5.8
August .....	0.2	0.2	0.3	W	—	0.5	1.9	1.9	2.1	3.6	—	5.6
September .....	0.2	0.2	0.4	W	—	0.8	2.1	2.1	2.7	4.2	—	6.9
October .....	0.2	0.2	0.6	0.7	—	1.3	2.1	2.1	3.3	5.9	—	9.3
November .....	0.4	0.4	0.9	W	—	1.9	3.5	3.5	4.5	7.4	—	11.9
December .....	0.4	0.4	0.8	W	—	1.8	3.6	3.6	4.7	7.7	—	12.4
<b>1998</b> .....	<b>0.3</b>	<b>0.3</b>	<b>0.4</b>	<b>0.5</b>	<b>—</b>	<b>1.0</b>	<b>2.7</b>	<b>2.7</b>	<b>3.0</b>	<b>5.1</b>	<b>—</b>	<b>8.1</b>
<b>1999</b>												
January .....	0.4	0.4	NA	0.9	—	1.7	3.3	3.3	4.3	6.6	—	10.9
February .....	0.4	0.4	W	W	—	1.7	3.3	3.3	4.9	6.5	—	11.4
March .....	0.3	0.3	NA	0.5	—	1.3	2.9	2.9	4.5	4.6	—	9.2
April .....	0.1	0.1	NA	0.2	—	NA	1.7	1.7	NA	3.2	—	5.6
May .....	0.1	0.1	NA	0.2	—	NA	1.7	1.7	NA	3.2	—	5.8
June .....	0.1	0.1	NA	0.2	—	NA	1.8	1.8	NA	3.7	—	6.4
July .....	0.2	0.2	W	W	—	0.6	2.0	2.0	2.6	3.8	—	6.4
August .....	0.1	0.1	W	W	—	0.6	1.9	1.9	2.5	3.7	—	6.2
September .....	0.1	0.1	W	W	—	0.8	1.9	1.9	2.9	4.3	—	7.2
October .....	0.2	0.2	W	W	—	1.2	2.4	2.4	4.7	5.4	—	10.1
November .....	0.3	0.3	W	W	—	1.7	3.4	3.4	5.5	7.2	—	12.7

Dash (—) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

<sup>a</sup> Includes sales through retail outlets as well as all direct sales to end users that were not made through company-operated retail outlets, e.g., sales to agricultural customers, commercial sales, and industrial sales.

Notes: The 4th quarter of 1993 was a transitional period between the predecessor EIA-782 survey system and the revised EIA-782 survey system. The revised survey system contains additional product and sales categories, which may not be consistent with categories derived from the predecessor survey system. Beginning January 1994 all data are from the revised survey system and are consistent.

Notes: Values shown for the current month are preliminary. Values shown for previous months are revised. Data are final upon publication in the *Petroleum Marketing Annual*. Totals may not equal the sum of the components due to rounding.

Source: Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."

**Table 12. U.S. Refiner Reformulated Motor Gasoline Prices by Grade and Sales Type**  
(Cents per Gallon Excluding Taxes)

Year Month	Regular						Midgrade					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average
<b>1994</b> .....	<b>76.4</b>	<b>75.8</b>	<b>72.0</b>	<b>56.9</b>	<b>54.3</b>	<b>63.8</b>	<b>87.9</b>	<b>87.3</b>	<b>77.0</b>	<b>62.8</b>	<b>W</b>	<b>72.8</b>
<b>1995</b> .....	<b>74.9</b>	<b>74.4</b>	<b>70.7</b>	<b>60.5</b>	<b>57.3</b>	<b>65.0</b>	<b>83.6</b>	<b>83.3</b>	<b>75.3</b>	<b>65.1</b>	<b>—</b>	<b>72.3</b>
<b>1996</b> .....	<b>83.4</b>	<b>83.0</b>	<b>78.8</b>	<b>69.8</b>	<b>67.7</b>	<b>73.8</b>	<b>92.4</b>	<b>92.1</b>	<b>83.7</b>	<b>74.1</b>	<b>W</b>	<b>80.9</b>
<b>1997</b>												
January .....	82.4	82.1	77.1	74.3	73.6	75.6	92.1	91.8	82.7	78.1	W	81.4
February .....	82.9	82.6	77.8	71.2	72.9	74.8	92.6	92.4	83.1	75.2	W	81.0
March .....	82.1	81.9	78.4	69.9	73.4	74.6	91.8	91.7	83.7	74.0	W	81.0
April .....	83.0	82.8	80.5	68.0	69.0	74.4	92.5	92.4	85.1	72.3	W	81.5
May .....	82.8	82.5	78.3	68.4	63.7	72.5	92.5	92.2	83.8	72.6	W	80.6
June .....	81.1	80.7	76.4	64.1	58.3	69.4	91.1	90.7	81.9	68.5	W	78.0
July .....	79.6	79.2	73.9	64.8	59.4	68.6	89.6	89.2	79.5	69.1	W	76.4
August .....	84.9	84.7	81.3	74.3	72.2	77.3	95.0	94.7	87.1	78.5	W	84.5
September .....	88.2	87.9	85.0	71.6	72.5	78.3	98.1	97.9	90.4	75.9	W	86.2
October .....	86.4	86.1	82.2	67.4	67.9	74.5	96.0	95.8	87.4	71.7	W	82.9
November .....	83.1	82.8	78.6	64.3	60.5	71.0	92.7	92.5	83.7	68.6	W	79.4
December .....	79.4	79.1	74.5	60.7	58.7	67.0	89.3	89.1	79.7	65.2	W	75.5
<b>1997</b> .....	<b>83.0</b>	<b>82.8</b>	<b>78.7</b>	<b>68.2</b>	<b>66.8</b>	<b>73.1</b>	<b>92.8</b>	<b>92.5</b>	<b>84.0</b>	<b>72.5</b>	<b>W</b>	<b>80.7</b>
<b>1998</b>												
January .....	74.2	74.0	69.6	56.6	55.4	62.7	83.0	82.8	74.8	60.8	W	70.8
February .....	67.6	67.4	62.6	53.8	52.4	57.9	77.8	77.7	68.0	57.9	W	65.1
March .....	62.7	62.5	57.5	50.9	49.9	54.0	72.9	72.7	63.2	55.0	W	60.8
April .....	65.9	65.7	59.9	54.5	54.2	57.1	75.4	75.3	65.5	58.8	W	63.6
May .....	71.5	71.2	65.8	57.2	53.3	60.7	80.7	80.5	71.3	61.5	W	68.5
June .....	70.2	69.9	64.8	53.6	49.4	58.5	79.9	79.7	70.4	58.3	W	66.8
July .....	68.3	68.0	62.9	51.8	47.6	56.2	78.5	78.3	68.8	56.4	W	64.9
August .....	66.5	66.2	60.7	47.9	46.3	53.8	76.9	76.7	66.5	52.5	W	62.1
September .....	65.0	64.7	59.4	49.0	46.0	53.4	75.4	75.2	65.2	53.3	W	61.6
October .....	65.2	64.9	59.8	50.4	46.7	54.4	75.5	75.3	65.8	54.9	NA	62.5
November .....	63.8	63.5	59.1	46.0	44.1	51.9	74.6	74.4	65.2	50.3	W	60.7
December .....	61.6	61.2	57.3	40.5	37.6	47.7	72.5	72.3	63.3	45.3	W	57.9
<b>1998</b> .....	<b>66.8</b>	<b>66.5</b>	<b>61.6</b>	<b>50.9</b>	<b>48.4</b>	<b>55.7</b>	<b>76.9</b>	<b>76.7</b>	<b>67.3</b>	<b>55.3</b>	<b>W</b>	<b>63.8</b>
<b>1999</b>												
January .....	60.7	60.4	55.6	41.8	38.2	47.7	70.9	70.7	61.6	46.2	NA	57.0
February .....	58.6	58.1	54.0	40.0	39.4	46.4	69.1	68.9	60.1	44.5	W	55.4
March .....	67.8	67.5	62.0	52.0	50.0	56.4	77.1	76.9	67.3	55.9	W	63.9
April .....	87.2	86.8	NA	62.4	56.2	71.0	93.5	93.2	NA	65.5	NA	NA
May .....	82.8	82.5	NA	59.5	54.2	67.5	90.7	90.5	NA	64.4	NA	NA
June .....	77.1	76.8	NA	NA	59.2	NA	86.7	86.5	NA	NA	NA	NA
July .....	81.0	80.8	76.9	69.1	69.1	72.8	90.7	90.5	82.1	72.9	W	79.3
August .....	89.1	89.0	84.3	72.8	72.8	78.2	97.9	97.7	89.1	77.2	W	85.3
September .....	88.5	88.2	83.3	73.9	68.5	77.5	98.0	97.8	89.0	78.5	W	85.6
October .....	86.3	86.1	82.2	70.4	67.3	75.2	96.5	96.2	88.0	75.2	W	84.0
November .....	87.2	86.9	82.0	74.2	68.5	76.8	96.9	96.6	87.6	78.6	W	84.8

See footnotes at end of table.



**Table 12. U.S. Refiner Reformulated Motor Gasoline Prices by Grade and Sales Type**  
(Cents per Gallon Excluding Taxes) — Continued

Year Month	Premium						All Grades					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average
<b>1994</b> .....	<b>96.6</b>	<b>95.8</b>	<b>86.1</b>	<b>67.7</b>	<b>55.8</b>	<b>77.7</b>	<b>83.1</b>	<b>82.4</b>	<b>77.1</b>	<b>59.9</b>	<b>54.7</b>	<b>68.7</b>
<b>1995</b> .....	<b>92.9</b>	<b>92.4</b>	<b>84.1</b>	<b>70.4</b>	<b>61.6</b>	<b>78.5</b>	<b>80.8</b>	<b>80.3</b>	<b>75.6</b>	<b>63.2</b>	<b>58.2</b>	<b>69.6</b>
<b>1996</b> .....	<b>100.2</b>	<b>99.8</b>	<b>91.0</b>	<b>79.1</b>	<b>70.9</b>	<b>85.9</b>	<b>88.2</b>	<b>87.8</b>	<b>82.8</b>	<b>72.0</b>	<b>68.2</b>	<b>77.4</b>
<b>1997</b>												
January .....	101.1	100.7	91.3	W	76.5	88.4	87.3	87.0	81.5	76.4	74.0	79.0
February .....	101.0	100.7	91.1	W	74.2	87.3	87.6	87.3	81.9	73.2	73.1	78.1
March .....	100.0	99.6	91.1	W	71.7	86.1	86.8	86.6	82.4	71.8	73.1	77.8
April .....	100.0	100.1	91.9	W	69.5	86.0	87.5	87.5	84.0	70.1	69.1	77.8
May .....	99.5	99.3	90.3	W	70.1	85.1	87.4	87.2	82.2	70.6	64.7	76.3
June .....	98.6	97.9	88.9	W	64.9	82.6	86.0	85.6	80.5	66.4	59.5	73.4
July .....	97.6	96.9	86.8	W	64.3	81.5	84.4	84.1	78.1	67.1	60.3	72.4
August .....	103.0	102.8	94.3	W	78.1	90.1	89.6	89.5	85.4	76.6	73.1	80.9
September .....	105.9	106.0	97.1	W	75.2	90.7	92.7	92.6	88.7	73.7	73.0	81.8
October .....	103.2	102.9	93.7	W	67.6	85.8	90.7	90.4	85.8	69.4	67.8	77.9
November .....	100.1	99.8	90.3	W	62.4	82.3	87.5	87.2	82.3	66.2	61.0	74.5
December .....	96.8	96.6	86.5	W	60.3	79.0	83.9	83.6	78.2	62.6	59.0	70.6
<b>1997</b> .....	<b>100.5</b>	<b>100.3</b>	<b>91.0</b>	<b>77.5</b>	<b>68.6</b>	<b>85.3</b>	<b>87.6</b>	<b>87.4</b>	<b>82.5</b>	<b>70.3</b>	<b>67.1</b>	<b>76.7</b>
<b>1998</b>												
January .....	91.1	90.9	81.7	W	58.8	75.5	78.7	78.4	73.4	58.5	55.8	66.3
February .....	85.8	85.6	75.4	W	53.2	70.2	72.4	72.2	66.7	55.7	52.5	61.4
March .....	81.2	81.0	70.7	W	50.8	65.8	67.6	67.4	61.7	52.9	50.1	57.4
April .....	83.4	83.2	72.8	W	57.8	68.7	70.6	70.4	64.0	56.5	54.9	60.4
May .....	88.0	87.8	77.6	W	57.5	72.4	76.0	75.7	69.6	59.2	54.0	64.1
June .....	87.3	87.1	76.8	W	54.5	71.3	74.9	74.6	68.7	55.8	50.2	62.3
July .....	87.0	86.7	75.3	W	52.4	69.5	73.3	73.0	66.9	54.1	48.1	60.1
August .....	84.7	84.4	73.4	W	49.4	66.6	71.5	71.2	64.8	50.2	46.8	57.6
September .....	83.3	83.0	72.1	W	48.8	65.5	70.0	69.7	63.5	51.2	46.5	57.0
October .....	83.7	83.4	72.7	59.9	51.1	66.7	70.3	70.0	64.0	52.6	47.6	58.1
November .....	82.2	81.9	71.8	W	46.9	64.3	69.0	68.7	63.4	48.1	44.6	55.8
December .....	80.0	79.7	69.7	W	42.0	61.0	66.8	66.4	61.4	42.6	38.3	51.8
<b>1998</b> .....	<b>84.7</b>	<b>84.5</b>	<b>74.1</b>	<b>W</b>	<b>51.6</b>	<b>68.0</b>	<b>71.7</b>	<b>71.4</b>	<b>65.7</b>	<b>52.9</b>	<b>48.9</b>	<b>59.3</b>
<b>1999</b>												
January .....	78.6	78.2	67.8	50.5	42.1	59.8	65.8	65.5	59.7	43.9	39.0	51.5
February .....	76.7	76.1	66.2	W	42.2	58.6	63.7	63.3	58.1	42.1	39.9	50.1
March .....	83.4	82.9	72.4	W	52.6	66.7	72.1	71.7	65.4	53.8	50.4	59.5
April .....	98.8	98.4	NA	68.8	60.6	NA	90.0	89.6	NA	63.8	57.0	73.4
May .....	98.2	97.8	NA	68.3	NA	NA	86.6	86.2	NA	61.5	54.5	NA
June .....	94.4	94.0	NA	NA	NA	NA	81.4	81.1	NA	NA	59.8	NA
July .....	98.0	97.7	89.4	W	71.0	83.9	85.2	85.0	80.5	70.9	69.4	75.7
August .....	105.5	105.2	96.4	W	72.7	89.4	93.0	92.8	87.7	74.7	72.8	81.2
September .....	106.6	106.2	97.2	W	73.6	90.5	92.8	92.4	87.2	75.9	69.4	80.9
October .....	104.9	104.6	96.9	W	70.2	88.5	90.8	90.5	86.3	72.4	67.7	78.7
November .....	105.3	104.9	96.7	W	71.1	89.2	91.7	91.4	86.2	76.2	69.0	80.1

Dash (—) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

<sup>a</sup> Includes sales through retail outlets as well as all direct sales to end users that were not made through company-operated retail outlets, e.g., sales to agricultural customers, commercial sales, and industrial sales.

Notes: Values shown for the current month are preliminary. Values shown for previous months are revised. Data are final upon publication in the *Petroleum Marketing Annual*.

Source: Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."

**Table 13. U.S. Refiner Reformulated Motor Gasoline Volumes by Grade and Sales Type**  
(Million Gallons per Day)

Year Month	Regular						Midgrade					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total
<b>1994</b> .....	<b>0.6</b>	<b>0.6</b>	<b>2.1</b>	<b>1.6</b>	<b>0.6</b>	<b>4.3</b>	<b>0.2</b>	<b>0.2</b>	<b>0.7</b>	<b>0.3</b>	<b>W</b>	<b>1.0</b>
<b>1995</b> .....	<b>7.8</b>	<b>8.1</b>	<b>20.7</b>	<b>W</b>	<b>W</b>	<b>43.3</b>	<b>3.0</b>	<b>3.1</b>	<b>7.4</b>	<b>3.1</b>	<b>—</b>	<b>10.5</b>
<b>1996</b> .....	<b>10.7</b>	<b>11.1</b>	<b>26.1</b>	<b>20.5</b>	<b>8.0</b>	<b>54.6</b>	<b>3.3</b>	<b>3.4</b>	<b>7.9</b>	<b>3.3</b>	<b>W</b>	<b>11.3</b>
<b>1997</b>												
January .....	11.3	11.8	27.2	19.8	7.3	54.3	3.2	3.3	7.9	3.0	W	10.8
February .....	12.1	12.6	28.3	20.7	6.9	55.9	3.3	3.4	8.1	3.0	W	11.1
March .....	12.4	12.9	28.4	21.2	7.4	57.0	3.4	3.5	8.0	3.1	W	11.1
April .....	12.4	12.8	29.0	21.1	7.0	57.1	3.4	3.5	7.9	3.0	W	11.0
May .....	12.0	12.4	27.3	21.1	7.9	56.3	3.3	3.4	7.9	3.1	W	11.1
June .....	12.2	12.6	27.4	21.5	7.0	56.0	3.4	3.5	7.9	3.2	W	11.1
July .....	14.0	14.4	27.5	22.7	6.8	57.0	3.8	3.9	8.0	3.4	W	11.5
August .....	14.8	15.1	28.1	23.2	8.5	59.8	3.9	4.0	8.0	3.4	W	11.5
September .....	14.7	15.1	27.7	22.0	7.3	57.0	3.7	3.8	7.7	3.1	W	10.8
October .....	14.9	15.3	28.0	22.4	8.7	59.1	3.7	3.8	7.7	3.1	W	10.9
November .....	14.3	14.6	28.7	21.8	6.9	57.4	3.6	3.7	7.7	3.0	W	10.7
December .....	15.6	15.9	29.0	22.6	8.8	60.3	4.0	4.0	7.7	3.1	W	10.9
<b>1997</b> .....	<b>13.4</b>	<b>13.8</b>	<b>28.0</b>	<b>21.7</b>	<b>7.6</b>	<b>57.3</b>	<b>3.6</b>	<b>3.7</b>	<b>7.9</b>	<b>3.1</b>	<b>W</b>	<b>11.0</b>
<b>1998</b>												
January .....	13.5	13.8	27.2	21.1	8.3	56.6	3.7	3.7	7.2	2.8	W	10.0
February .....	14.3	14.6	28.1	22.1	7.5	57.7	3.6	3.7	7.3	2.9	W	10.2
March .....	14.6	14.9	28.8	22.7	6.9	58.4	3.7	3.7	7.4	3.0	W	10.4
April .....	13.2	13.4	29.0	22.1	7.9	59.0	3.4	3.4	7.4	2.9	W	10.3
May .....	13.1	13.3	29.1	22.7	9.0	60.8	3.4	3.4	7.4	3.0	W	10.5
June .....	13.4	13.7	29.5	23.3	7.5	60.4	3.5	3.5	7.5	3.2	W	10.7
July .....	15.5	15.9	29.5	23.9	10.3	63.7	4.0	4.0	7.6	3.4	W	11.0
August .....	15.4	15.6	29.3	24.4	7.7	61.4	4.0	4.0	7.5	3.4	W	10.9
September .....	15.4	15.7	28.7	23.6	9.3	61.6	4.0	4.0	7.4	3.2	W	10.5
October .....	14.3	14.6	28.4	23.6	7.8	59.7	3.9	3.9	7.4	3.1	NA	10.6
November .....	13.9	14.1	27.3	22.7	7.8	57.8	3.8	3.9	7.2	3.1	W	10.3
December .....	14.4	14.7	27.9	24.1	9.1	61.1	3.9	4.0	7.3	3.1	W	10.4
<b>1998</b> .....	<b>14.3</b>	<b>14.5</b>	<b>28.6</b>	<b>23.0</b>	<b>8.3</b>	<b>59.9</b>	<b>3.7</b>	<b>3.8</b>	<b>7.4</b>	<b>3.1</b>	<b>W</b>	<b>10.5</b>
<b>1999</b>												
January .....	13.0	13.3	25.4	21.3	8.0	54.6	3.7	3.7	6.5	2.7	NA	9.2
February .....	13.6	14.0	27.5	23.3	9.1	59.9	3.7	3.7	7.0	W	W	10.0
March .....	14.3	14.6	29.0	24.2	8.5	61.8	3.7	3.8	7.1	W	W	10.1
April .....	15.2	15.6	NA	24.1	9.4	63.7	3.6	3.6	NA	2.9	NA	NA
May .....	15.5	15.8	NA	25.2	10.8	66.2	3.7	3.7	NA	3.1	NA	NA
June .....	16.4	16.7	NA	NA	12.0	NA	3.9	3.9	NA	NA	NA	NA
July .....	15.6	16.0	32.0	26.7	10.2	68.9	3.8	3.8	7.3	W	W	10.6
August .....	15.7	16.0	31.5	27.0	8.0	66.4	3.7	3.7	6.9	W	W	10.2
September .....	14.8	15.1	30.7	27.0	9.0	66.7	3.5	3.6	6.8	W	W	10.0
October .....	15.0	15.3	30.7	27.3	11.2	69.2	3.6	3.6	6.9	W	W	9.9
November .....	13.9	14.3	30.1	27.0	10.5	67.6	3.5	3.5	6.8	W	W	9.9

See footnotes at end of table.

**Table 13. U.S. Refiner Reformulated Motor Gasoline Volumes by Grade and Sales Type**  
(Million Gallons per Day) — Continued

Year Month	Premium						All Grades					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total
<b>1994</b> .....	<b>0.2</b>	<b>0.2</b>	<b>1.2</b>	<b>0.5</b>	<b>0.2</b>	<b>1.9</b>	<b>1.0</b>	<b>1.0</b>	<b>4.0</b>	<b>2.4</b>	<b>0.8</b>	<b>7.2</b>
<b>1995</b> .....	<b>3.1</b>	<b>3.2</b>	<b>12.0</b>	<b>W</b>	<b>W</b>	<b>18.9</b>	<b>14.0</b>	<b>14.4</b>	<b>40.1</b>	<b>25.9</b>	<b>6.6</b>	<b>72.6</b>
<b>1996</b> .....	<b>3.1</b>	<b>3.2</b>	<b>11.7</b>	<b>5.3</b>	<b>1.5</b>	<b>18.6</b>	<b>17.0</b>	<b>17.6</b>	<b>45.7</b>	<b>29.2</b>	<b>9.6</b>	<b>84.5</b>
<b>1997</b>												
January .....	2.9	3.0	11.1	W	1.0	16.9	17.5	18.2	46.2	27.5	8.3	82.0
February .....	3.0	3.1	11.5	W	0.8	17.1	18.4	19.1	47.9	28.5	7.8	84.2
March .....	3.1	3.2	11.6	W	1.5	18.2	18.9	19.7	48.0	29.3	8.9	86.2
April .....	3.2	3.4	11.7	W	1.4	18.2	19.0	19.8	48.6	29.3	8.4	86.3
May .....	3.2	3.4	11.5	W	1.5	18.4	18.5	19.2	46.7	29.6	9.5	85.8
June .....	3.4	3.6	11.8	W	1.6	18.8	18.9	19.6	47.1	30.1	8.7	86.0
July .....	3.7	4.0	11.8	W	1.5	19.2	21.5	22.2	47.4	32.0	8.3	87.7
August .....	3.6	3.8	11.4	W	1.5	18.5	22.3	22.9	47.5	32.2	10.0	89.7
September .....	3.4	3.7	10.7	W	1.2	17.1	21.9	22.6	46.1	30.2	8.6	84.9
October .....	3.5	3.6	11.1	W	2.0	18.4	22.2	22.7	46.8	30.9	10.7	88.4
November .....	3.5	3.5	11.6	W	2.2	18.9	21.4	21.8	47.9	30.0	9.1	87.0
December .....	3.8	3.8	11.8	W	1.9	19.2	23.4	23.7	48.5	31.2	10.7	90.4
<b>1997</b> .....	<b>3.4</b>	<b>3.5</b>	<b>11.5</b>	<b>5.3</b>	<b>1.5</b>	<b>18.2</b>	<b>20.3</b>	<b>21.0</b>	<b>47.4</b>	<b>30.1</b>	<b>9.1</b>	<b>86.6</b>
<b>1998</b>												
January .....	3.5	3.5	11.2	W	1.0	17.3	20.8	21.1	45.6	29.0	9.4	84.0
February .....	3.7	3.7	11.8	W	1.1	18.3	21.7	22.0	47.3	30.3	8.6	86.2
March .....	3.8	3.9	12.3	W	1.8	19.6	22.1	22.4	48.5	31.2	8.6	88.3
April .....	3.6	3.6	12.2	W	1.7	19.5	20.1	20.4	48.5	30.6	9.8	88.9
May .....	3.6	3.6	12.0	W	1.8	19.6	20.0	20.3	48.6	31.5	10.8	90.9
June .....	3.7	3.7	12.4	W	1.2	19.6	20.6	20.9	49.4	32.4	8.8	90.6
July .....	4.1	4.2	12.6	W	1.1	20.2	23.7	24.1	49.7	33.7	11.5	94.9
August .....	4.2	4.2	12.6	W	1.6	20.7	23.5	23.9	49.4	34.2	9.4	93.0
September .....	4.1	4.2	12.5	W	2.2	21.0	23.5	23.9	48.6	33.0	11.5	93.1
October .....	3.9	4.0	12.4	6.2	2.0	20.7	22.1	22.5	48.2	32.9	9.8	91.0
November .....	3.8	3.9	12.3	W	1.9	20.3	21.5	21.8	46.8	31.9	9.7	88.4
December .....	3.9	4.0	12.5	W	1.5	20.6	22.3	22.6	47.7	33.7	10.7	92.0
<b>1998</b> .....	<b>3.8</b>	<b>3.9</b>	<b>12.2</b>	<b>W</b>	<b>1.6</b>	<b>19.8</b>	<b>21.8</b>	<b>22.2</b>	<b>48.2</b>	<b>32.0</b>	<b>9.9</b>	<b>90.1</b>
<b>1999</b>												
January .....	3.7	3.8	11.2	5.8	2.0	19.0	20.4	20.7	43.1	29.8	9.9	82.9
February .....	3.8	3.9	12.3	W	W	20.5	21.2	21.6	46.7	32.7	11.0	90.4
March .....	3.8	3.8	12.1	W	W	20.2	21.8	22.2	48.2	33.7	10.1	92.0
April .....	3.5	3.5	NA	5.7	2.0	NA	22.3	22.7	NA	32.6	11.4	91.7
May .....	3.6	3.7	NA	6.1	NA	NA	22.8	23.2	NA	34.4	13.0	NA
June .....	3.8	3.9	NA	NA	NA	NA	24.1	24.5	NA	NA	13.7	NA
July .....	3.6	3.6	11.8	W	W	19.9	23.0	23.4	51.2	36.5	11.8	99.5
August .....	3.4	3.5	10.9	W	W	18.8	22.7	23.1	49.3	36.6	9.5	95.4
September .....	3.2	3.3	10.8	W	W	18.8	21.5	21.9	48.4	36.3	10.8	95.4
October .....	3.3	3.4	11.0	W	W	19.3	21.9	22.3	48.6	36.4	13.4	98.4
November .....	3.2	3.3	11.0	W	W	19.8	20.6	21.1	48.0	36.2	13.1	97.3

Dash (—) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

<sup>a</sup> Includes sales through retail outlets as well as all direct sales to end users that were not made through company-operated retail outlets, e.g., sales to agricultural customers, commercial sales, and industrial sales.

Notes: Values shown for the current month are preliminary. Values shown for previous months are revised. Data are final upon publication in the *Petroleum Marketing Annual*. Totals may not equal the sum of the components due to rounding.

Source: Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."

**Table 14. U.S. Propane (Consumer Grade) Prices by Sales Type**  
(Cents per Gallon Excluding Taxes)

Year Month	Sales to End Users							Sales for Resale
	Residential Consumers	Commercial/ Institutional Consumers	Industrial Consumers	Through Retail Outlets	Petro- Chemical	Other End Users	Average	
<b>1994</b> .....	<b>87.2</b>	<b>76.5</b>	<b>65.2</b>	<b>73.6</b>	<b>31.1</b>	<b>63.4</b>	<b>77.6</b>	<b>33.6</b>
<b>1995</b> .....	<b>86.5</b>	<b>77.7</b>	<b>64.6</b>	<b>74.7</b>	<b>32.4</b>	<b>66.2</b>	<b>76.6</b>	<b>35.4</b>
<b>1996</b> .....	<b>99.1</b>	<b>88.4</b>	<b>73.3</b>	<b>75.7</b>	<b>41.3</b>	<b>76.4</b>	<b>88.6</b>	<b>47.1</b>
<b>1997</b>								
January .....	117.8	105.9	91.0	88.6	54.0	93.7	110.0	61.2
February .....	107.3	97.1	79.6	77.8	42.1	82.6	97.9	46.0
March .....	102.2	92.4	80.0	74.7	41.2	79.2	90.8	42.8
April .....	98.6	90.2	76.9	71.4	36.2	78.2	84.9	39.1
May .....	97.2	88.3	74.6	70.1	35.9	79.4	81.3	38.1
June .....	95.6	87.6	73.4	69.7	35.3	80.6	80.8	37.5
July .....	90.3	86.3	73.2	68.6	35.3	74.0	78.3	37.0
August .....	86.1	84.3	72.1	66.8	36.9	71.0	77.0	38.4
September .....	87.7	84.7	73.3	68.4	37.6	70.0	77.6	40.3
October .....	89.9	84.9	73.2	69.9	39.5	65.6	78.2	41.9
November .....	92.1	86.7	73.7	69.0	38.6	68.0	82.0	40.8
December .....	94.5	87.4	74.9	69.2	35.2	71.4	85.8	38.7
<b>1997</b> .....	<b>99.6</b>	<b>90.5</b>	<b>77.8</b>	<b>72.6</b>	<b>38.4</b>	<b>74.3</b>	<b>87.8</b>	<b>42.6</b>
<b>1998</b>								
January .....	93.5	86.5	74.3	66.0	32.2	69.9	84.2	36.5
February .....	95.0	87.5	70.8	64.6	30.8	68.9	83.5	34.1
March .....	92.3	85.3	69.0	63.1	28.3	68.8	81.3	32.1
April .....	93.2	84.4	72.0	63.5	28.7	71.6	79.3	31.1
May .....	93.3	85.0	70.2	62.4	28.1	75.4	76.8	30.1
June .....	90.4	84.2	69.9	61.4	25.1	71.8	75.5	27.5
July .....	86.2	82.5	68.3	58.7	24.7	68.2	74.0	26.6
August .....	81.9	78.7	67.1	59.3	24.3	64.5	70.5	26.5
September .....	81.4	77.6	65.9	57.6	24.3	59.7	71.2	26.9
October .....	82.6	74.0	66.3	NA	25.9	56.0	71.0	28.5
November .....	84.4	75.3	68.1	77.6	26.0	60.0	74.9	28.4
December .....	84.9	75.4	67.8	77.2	21.5	61.2	74.9	26.4
<b>1998</b> .....	<b>88.8</b>	<b>81.6</b>	<b>69.2</b>	<b>67.6</b>	<b>27.0</b>	<b>64.7</b>	<b>77.4</b>	<b>29.7</b>
<b>1999</b>								
January .....	85.3	76.3	68.0	75.8	23.2	62.2	77.4	27.3
February .....	87.1	75.6	68.9	77.9	23.6	63.0	76.7	27.3
March .....	87.6	76.0	68.7	78.7	23.3	63.2	77.0	27.7
April .....	87.8	78.1	70.5	80.7	27.6	65.4	74.9	29.6
May .....	90.1	80.2	70.6	83.0	26.7	69.2	75.9	29.9
June .....	90.5	80.6	71.5	W	30.9	68.0	74.8	30.4
July .....	83.9	81.4	73.0	86.5	36.1	67.2	72.0	35.8
August .....	82.0	81.0	74.7	W	40.0	67.4	69.6	39.4
September .....	84.5	81.6	75.8	W	41.7	65.6	75.1	42.3
October .....	91.2	83.7	79.5	W	45.6	65.3	81.3	45.3
November .....	95.5	86.6	80.5	W	44.2	72.1	84.7	43.3

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

Notes: The 4th quarter of 1993 was a transitional period between the predecessor EIA-782 survey system and the revised EIA-782 survey system. The revised survey system contains additional product and sales categories, which may not be consistent with categories derived from the predecessor survey system. Beginning January 1994 all data are from the revised survey system and are consistent.

Notes: Values shown for the current month are preliminary. Values shown for previous months are revised. Data are final upon publication in the *Petroleum Marketing Annual*.

Sources: Energy Information Administration Forms EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report," and EIA-782B, "Resellers'/Retailers' Monthly Petroleum Product Sales Report."

**Table 15. U.S. No. 2 Distillate<sup>a</sup> Prices by Sales Type**

(Cents per Gallon Excluding Taxes)

Year Month	Sales to End Users						Sales for Resale
	Residential Consumers	Commercial/ Institutional Consumers	Industrial Consumers	Through Retail Outlets <sup>b</sup>	Other End Users <sup>c</sup>	Average	
<b>1983</b> .....	107.8	86.3	88.3	94.3	89.7	93.3	81.8
<b>1984</b> .....	109.1	85.7	87.0	92.0	89.2	92.6	81.9
<b>1985</b> .....	105.3	82.1	83.4	88.6	85.3	89.0	78.1
<b>1986</b> .....	83.6	51.4	53.7	59.8	56.9	61.4	48.0
<b>1987</b> .....	80.3	56.6	59.7	64.4	63.1	64.3	53.5
<b>1988</b> .....	81.3	51.9	54.2	61.6	58.7	61.2	48.2
<b>1989</b> .....	90.0	60.8	63.8	68.5	66.7	69.5	57.2
<b>1990</b> .....	106.3	75.1	78.0	85.2	82.8	84.1	70.6
<b>1991</b> .....	101.9	67.5	69.7	74.5	73.8	76.0	62.7
<b>1992</b> .....	93.4	63.7	67.5	72.1	72.1	72.6	59.1
<b>1993</b> .....	91.1	62.0	66.7	71.1	70.5	71.0	56.6
<b>1994</b> .....	88.4	58.7	64.1	67.3	65.5	67.5	52.9
<b>1995</b> .....	86.7	59.3	64.4	67.0	67.3	67.3	53.6
<b>1996</b> .....	98.9	71.4	77.1	78.8	79.3	79.3	66.0
<b>1997</b>							
January .....	107.9	77.0	81.7	84.1	83.5	88.2	70.6
February .....	105.1	74.5	79.1	81.9	82.0	84.8	67.2
March .....	101.6	69.3	73.0	76.5	76.4	78.5	61.7
April .....	99.2	67.7	72.3	75.5	76.8	75.8	61.8
May .....	96.4	66.3	71.0	74.5	75.9	73.3	60.8
June .....	92.3	63.1	67.9	72.2	73.1	69.7	56.9
July .....	88.3	62.0	66.7	70.5	71.2	68.0	56.1
August .....	86.9	64.2	68.5	71.9	73.0	69.9	58.8
September .....	88.7	63.7	68.5	71.4	73.2	70.1	57.8
October .....	92.3	67.3	71.1	73.8	76.5	73.7	61.9
November .....	94.1	68.0	71.0	74.0	75.1	75.4	61.6
December .....	93.8	63.9	66.7	70.9	70.4	73.8	56.0
<b>1997</b> .....	<b>98.4</b>	<b>67.4</b>	<b>71.2</b>	<b>74.5</b>	<b>75.3</b>	<b>75.3</b>	<b>61.1</b>
<b>1998</b>							
January .....	92.5	59.3	61.6	66.0	65.5	69.6	51.0
February .....	91.6	57.4	59.9	63.2	63.3	67.4	49.4
March .....	89.6	54.8	57.4	61.1	61.7	64.2	46.9
April .....	87.7	55.5	58.5	61.5	63.5	62.4	48.5
May .....	84.9	54.2	57.4	61.7	63.0	60.2	47.3
June .....	81.2	50.9	54.6	59.0	59.6	56.8	43.9
July .....	77.7	50.0	53.8	57.9	57.4	55.4	42.7
August .....	75.5	48.9	52.4	56.2	56.9	54.2	41.3
September .....	77.0	51.6	55.2	58.2	59.8	57.0	45.5
October .....	78.6	52.1	55.3	58.7	60.4	58.2	45.2
November .....	79.9	50.0	52.9	56.6	57.2	57.6	41.8
December .....	78.9	46.2	48.8	52.3	52.6	55.4	36.6
<b>1998</b> .....	<b>85.2</b>	<b>52.5</b>	<b>55.6</b>	<b>59.3</b>	<b>60.0</b>	<b>59.9</b>	<b>45.0</b>
<b>1999</b>							
January .....	80.4	46.7	48.9	51.5	51.1	57.4	37.7
February .....	79.8	45.0	47.9	50.3	50.7	55.1	36.0
March .....	80.9	50.5	53.6	55.0	55.8	58.9	43.3
April .....	82.9	55.0	57.9	63.2	62.1	62.0	48.2
May .....	82.1	54.3	57.1	63.0	62.8	60.6	47.4
June .....	80.8	56.5	58.3	63.6	64.9	61.5	49.9
July .....	81.6	61.1	63.7	68.8	68.3	66.0	56.0
August .....	83.5	65.6	68.7	73.7	74.4	70.9	60.9
September .....	90.1	69.2	72.8	77.5	77.5	75.0	64.6
October .....	94.8	69.4	72.3	78.8	80.1	76.8	64.4
November .....	100.0	73.9	77.0	82.6	83.8	81.5	68.9
December <sup>d</sup> .....	<sup>E</sup> 102.6	NA	NA	<sup>E</sup> 85.0	NA	NA	<sup>E</sup> 70.0

NA = Not available.

E = Estimated data.

<sup>a</sup> Includes sales of No. 2 fuel oil and high- and low-sulfur diesel fuels.

<sup>b</sup> Includes low-sulfur diesel fuel only.

<sup>c</sup> All end-user sales not included in the other end-user categories shown, e.g., sales to agricultural customers or utilities.

<sup>d</sup> Data are initial estimates calculated using prior history of the series as well as present and past values of other related time series, such as spot prices and heating degree days. For an explanation of estimation methodology, see the Explanatory Notes.

Notes: Values shown for the current two months are preliminary. Values shown for previous months are revised. Data are final upon publication in the *Petroleum Marketing Annual*.

Sources: Energy Information Administration Forms EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report," and EIA-782B, "Resellers'/Retailers' Monthly Petroleum Product Sales Report."

**Table 16. U.S. No. 2 Diesel Fuel Prices by Sales Type**

(Cents per Gallon Excluding Taxes)

Year Month	Sales to End Users					Sales for Resale
	Commercial/ Institutional Consumers	Industrial Consumers	Through Retail Outlets <sup>a</sup>	Other End Users <sup>b</sup>	Average	
<b>1994</b> .....	<b>57.7</b>	<b>64.5</b>	<b>67.3</b>	<b>66.1</b>	<b>62.8</b>	<b>53.8</b>
<b>1995</b> .....	<b>58.8</b>	<b>64.9</b>	<b>67.0</b>	<b>67.7</b>	<b>63.6</b>	<b>54.6</b>
<b>1996</b> .....	<b>71.1</b>	<b>77.5</b>	<b>78.8</b>	<b>79.6</b>	<b>75.7</b>	<b>66.7</b>
<b>1997</b>						
January .....	75.6	81.7	84.1	83.7	80.4	70.7
February .....	73.7	79.1	81.9	82.1	78.3	68.5
March .....	68.3	73.2	76.5	76.6	72.9	63.4
April .....	67.1	72.7	75.5	77.2	72.3	62.8
May .....	66.0	71.3	74.5	76.3	71.3	61.3
June .....	62.8	68.2	72.2	73.5	68.6	57.4
July .....	61.8	67.1	70.5	72.0	67.2	56.6
August .....	64.2	69.1	71.9	73.6	69.1	59.6
September .....	63.6	69.3	71.4	73.8	68.6	58.6
October .....	67.1	71.8	73.8	76.8	71.6	62.6
November .....	67.4	71.7	74.0	75.7	71.5	62.5
December .....	62.3	67.3	70.9	70.8	67.1	56.4
<b>1997</b> .....	<b>66.6</b>	<b>71.5</b>	<b>74.5</b>	<b>75.7</b>	<b>71.4</b>	<b>61.6</b>
<b>1998</b>						
January .....	57.1	62.0	66.0	65.7	62.1	50.9
February .....	55.4	60.1	63.2	63.4	59.9	49.3
March .....	52.9	57.7	61.1	61.7	57.7	46.9
April .....	54.7	59.0	61.5	63.7	59.0	49.3
May .....	54.0	58.0	61.7	63.9	58.9	48.3
June .....	50.8	55.1	59.0	60.3	55.8	44.6
July .....	49.8	54.6	57.9	58.0	54.6	43.5
August .....	48.8	53.1	56.2	57.7	53.4	42.2
September .....	51.4	55.8	58.2	60.3	55.7	46.2
October .....	51.7	55.9	58.7	60.8	56.2	46.2
November .....	49.1	53.5	56.6	57.5	53.5	42.4
December .....	44.7	49.3	52.3	52.8	49.2	36.7
<b>1998</b> .....	<b>51.6</b>	<b>56.2</b>	<b>59.3</b>	<b>60.4</b>	<b>56.2</b>	<b>45.4</b>
<b>1999</b>						
January .....	44.4	48.9	51.5	51.6	48.6	37.6
February .....	43.3	48.3	50.3	50.8	47.5	36.5
March .....	49.2	54.2	55.0	56.0	53.0	44.5
April .....	54.9	58.4	63.2	62.4	59.6	49.2
May .....	54.4	57.6	63.0	63.2	59.6	48.3
June .....	57.0	58.8	63.6	65.6	61.1	51.0
July .....	61.8	64.0	68.8	69.8	66.0	57.0
August .....	66.4	69.0	73.7	75.5	71.0	61.9
September .....	69.5	72.9	77.5	78.0	74.3	65.3
October .....	69.6	72.6	78.8	80.4	75.4	65.3
November .....	74.1	77.3	82.6	84.1	79.3	70.0
December <sup>c</sup> .....	NA	NA	<sup>E</sup> 85.0	NA	NA	NA

NA = Not available.

E = Estimated data.

<sup>a</sup> Includes low-sulfur diesel fuel only.

<sup>b</sup> All end-user sales not included in the other end-user categories shown, e.g., sales to agricultural customers or utilities.

<sup>c</sup> **Data are initial estimates calculated using prior history of the series as well as present and past values of other related time series, such as spot prices and heating degree days. For an explanation of estimation methodology, see the Explanatory Notes.**

Notes: The 4th quarter of 1993 was a transitional period between the predecessor EIA-782 survey system and the revised EIA-782 survey system. The revised survey system contains additional product and sales categories, which may not be consistent with categories derived from the predecessor survey system. Beginning January 1994 all data are from the revised survey system and are consistent.

 Notes: Values shown for the current two months are preliminary. Values shown for previous months are revised. Data are final upon publication in the *Petroleum Marketing Annual*.

Sources: Energy Information Administration Forms EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report," and EIA-782B, "Resellers'/Retailers' Monthly Petroleum Product Sales Report."

**Table 17. U.S. No. 2 Diesel Fuel Prices by Sulfur Content and Sales Type**  
(Cents per Gallon Excluding Taxes)

Year Month	Low-Sulfur Diesel Fuel						High-Sulfur Diesel Fuel				
	Sales to End Users					Sales for Resale	Sales to End Users				Sales for Resale
	Commercial/ Institutional Consumers	Industrial Consumers	Through Retail Outlets	Other End Users <sup>a</sup>	Average		Commercial/ Institutional Consumers	Industrial Consumers	Other End Users <sup>a</sup>	Average	
<b>1994</b> .....	<b>59.1</b>	<b>66.0</b>	<b>67.3</b>	<b>67.4</b>	<b>64.2</b>	<b>54.2</b>	<b>55.3</b>	<b>62.9</b>	<b>64.6</b>	<b>59.8</b>	<b>51.9</b>
<b>1995</b> .....	<b>59.8</b>	<b>66.3</b>	<b>67.0</b>	<b>68.4</b>	<b>64.5</b>	<b>55.1</b>	<b>56.8</b>	<b>63.6</b>	<b>66.7</b>	<b>61.4</b>	<b>52.4</b>
<b>1996</b> .....	<b>72.3</b>	<b>79.1</b>	<b>78.8</b>	<b>80.6</b>	<b>76.7</b>	<b>67.3</b>	<b>68.7</b>	<b>75.9</b>	<b>78.4</b>	<b>73.2</b>	<b>63.9</b>
<b>1997</b>											
January .....	76.6	82.7	84.1	83.7	81.2	71.0	73.8	80.7	83.7	78.2	69.4
February .....	74.9	81.6	81.9	82.5	79.3	68.8	71.5	76.8	81.7	75.4	66.5
March .....	69.0	74.8	76.5	76.7	73.7	64.0	67.0	71.7	76.6	70.6	60.9
April .....	67.7	74.4	75.5	77.0	72.8	63.2	65.8	71.0	77.4	70.6	60.6
May .....	66.4	72.0	74.5	76.3	71.8	61.8	65.1	70.5	76.3	69.9	59.1
June .....	62.9	68.7	72.2	73.9	69.1	57.7	62.6	67.6	73.0	66.9	56.1
July .....	61.7	67.7	70.5	72.5	67.7	56.9	61.9	66.5	71.4	65.9	55.1
August .....	64.4	69.8	71.9	74.2	69.6	59.9	63.9	68.4	72.7	67.5	58.0
September .....	63.5	70.3	71.4	74.2	68.9	58.7	63.7	68.1	73.2	67.5	57.9
October .....	67.2	72.3	73.8	77.2	71.9	62.9	66.8	71.1	76.3	70.8	61.0
November .....	67.5	72.0	74.0	76.3	71.9	63.0	67.1	71.2	74.9	70.2	59.9
December .....	62.9	66.9	70.9	71.4	67.8	56.7	61.1	67.7	70.0	64.9	54.9
<b>1997</b> .....	<b>67.0</b>	<b>72.2</b>	<b>74.5</b>	<b>76.0</b>	<b>71.9</b>	<b>61.9</b>	<b>65.9</b>	<b>70.8</b>	<b>75.3</b>	<b>69.8</b>	<b>60.2</b>
<b>1998</b>											
January .....	57.3	61.4	66.0	65.3	62.6	51.3	56.6	62.7	66.3	60.3	49.1
February .....	55.3	59.2	63.2	63.3	60.2	49.6	55.4	61.1	63.7	58.8	47.9
March .....	53.0	57.1	61.1	61.7	58.1	47.2	52.8	58.3	61.6	56.2	45.1
April .....	54.6	58.4	61.5	63.6	59.1	49.7	54.8	59.7	63.8	58.6	46.8
May .....	53.8	57.9	61.7	63.8	59.0	48.8	54.4	58.2	64.1	58.5	45.5
June .....	50.7	54.2	59.0	60.3	56.0	45.0	50.9	56.3	60.3	55.1	42.4
July .....	49.8	53.8	57.9	57.9	54.9	43.8	50.0	55.5	58.2	53.7	41.6
August .....	48.5	53.1	56.2	57.3	53.6	42.4	49.5	53.2	58.3	52.8	40.7
September .....	51.6	55.9	58.2	60.1	55.9	46.6	50.8	55.8	60.5	54.8	44.0
October .....	51.5	56.0	58.7	60.4	56.2	46.5	52.4	55.9	61.4	56.1	44.8
November .....	49.0	53.2	56.6	57.1	53.8	42.7	49.2	54.0	58.2	52.7	40.6
December .....	44.6	49.0	52.3	51.8	49.4	36.9	45.0	49.7	54.4	48.5	35.7
<b>1998</b> .....	<b>51.5</b>	<b>55.7</b>	<b>59.3</b>	<b>60.1</b>	<b>56.5</b>	<b>45.7</b>	<b>51.8</b>	<b>56.7</b>	<b>60.8</b>	<b>55.5</b>	<b>43.7</b>
<b>1999</b>											
January .....	45.0	48.4	51.5	51.1	49.1	37.9	43.2	49.5	52.4	46.7	36.3
February .....	43.5	47.5	50.3	50.3	47.9	36.8	42.7	49.2	51.6	46.4	34.8
March .....	49.7	53.5	55.0	55.6	53.3	44.9	48.2	55.1	56.6	52.0	41.5
April .....	56.6	58.4	63.2	63.7	60.8	49.7	51.6	58.5	60.5	55.4	46.3
May .....	55.7	57.9	63.0	64.0	60.6	48.6	51.8	57.1	62.2	55.9	46.1
June .....	58.7	58.6	63.6	67.5	62.1	51.6	53.7	59.2	62.6	57.2	47.2
July .....	63.2	63.6	68.8	71.2	67.0	57.5	58.9	64.7	67.3	62.3	53.4
August .....	67.5	68.7	73.7	77.8	72.0	62.3	64.1	69.5	71.9	67.5	58.6
September .....	70.4	72.1	77.5	78.9	75.1	65.7	67.5	74.0	76.6	71.7	62.9
October .....	70.4	71.8	78.8	81.0	76.1	65.7	68.0	73.7	79.4	72.5	62.4
November .....	75.6	76.2	82.6	86.3	80.4	70.5	71.1	78.8	79.9	75.1	66.5
December <sup>b</sup> .....	NA	NA	E85.0	NA	NA	NA	NA	NA	NA	NA	NA

NA = Not available.

E = Estimated data. Includes on-highway diesel fuel only.

<sup>a</sup> All end-user sales not included in the other end-user categories shown, e.g., sales to agricultural customers or utilities.

<sup>b</sup> **Data are initial estimates calculated using prior history of the series as well as present and past values of other related time series, such as spot prices and heating degree days. For an explanation of estimation methodology, see the Explanatory Notes.**

Notes: The 4th quarter of 1993 was a transitional period between the predecessor EIA-782 survey system and the revised EIA-782 survey system. The revised survey system contains additional product and sales categories, which may not be consistent with categories derived from the predecessor survey system. Beginning January 1994 all data are from the revised survey system and are consistent.

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Sources: Energy Information Administration Forms EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report," and EIA-782B, "Resellers/Retailers' Monthly Petroleum Product Sales Report."

**Table 18. Prices of No. 2 Distillate to Residences by PAD District and Selected States**  
(Cents per Gallon Excluding Taxes)

Year Month	U.S. Average	PAD District I								
		Average	CT	ME	MA	NH	RI	VT	DE	DC
<b>1978</b> .....	<b>49.0</b>	—	<b>50.1</b>	<b>48.6</b>	<b>48.8</b>	<b>50.3</b>	<b>50.7</b>	<b>50.8</b>	<b>47.8</b>	<b>50.7</b>
<b>1979</b> .....	<b>70.4</b>	—	<b>72.0</b>	<b>68.8</b>	<b>70.9</b>	<b>72.5</b>	<b>72.8</b>	<b>72.5</b>	<b>68.2</b>	<b>74.2</b>
<b>1980</b> .....	<b>97.4</b>	—	<b>98.3</b>	<b>96.3</b>	<b>97.8</b>	<b>100.4</b>	<b>101.1</b>	<b>101.5</b>	<b>95.4</b>	<b>102.6</b>
<b>1981</b> .....	<b>119.4</b>	—	<b>121.7</b>	<b>120.4</b>	<b>121.3</b>	<b>123.7</b>	<b>123.8</b>	<b>125.4</b>	<b>117.3</b>	<b>127.4</b>
<b>1982</b> .....	<b>116.0</b>	—	<b>118.3</b>	<b>115.5</b>	<b>117.6</b>	<b>117.4</b>	<b>120.1</b>	<b>120.1</b>	<b>111.3</b>	<b>124.5</b>
<b>1983</b> .....	<b>107.8</b>	<b>109.0</b>	<b>109.1</b>	<b>102.8</b>	<b>109.1</b>	<b>104.1</b>	<b>110.5</b>	<b>112.9</b>	<b>106.0</b>	<b>117.0</b>
<b>1984</b> .....	<b>109.1</b>	<b>111.3</b>	<b>112.1</b>	<b>103.9</b>	<b>111.6</b>	<b>108.4</b>	<b>111.4</b>	<b>111.9</b>	<b>109.6</b>	<b>118.7</b>
<b>1985</b> .....	<b>105.3</b>	<b>106.8</b>	<b>108.0</b>	<b>99.7</b>	<b>107.0</b>	<b>102.4</b>	<b>106.7</b>	<b>107.7</b>	<b>104.6</b>	<b>114.3</b>
<b>1986</b> .....	<b>83.6</b>	<b>86.2</b>	<b>89.0</b>	<b>74.4</b>	<b>82.1</b>	<b>75.9</b>	<b>82.8</b>	<b>86.6</b>	<b>85.0</b>	<b>93.1</b>
<b>1987</b> .....	<b>80.3</b>	<b>81.4</b>	<b>83.4</b>	<b>74.7</b>	<b>80.6</b>	<b>76.5</b>	<b>82.5</b>	<b>81.1</b>	<b>79.3</b>	<b>91.8</b>
<b>1988</b> .....	<b>81.3</b>	<b>82.7</b>	<b>85.3</b>	<b>77.7</b>	<b>82.1</b>	<b>78.2</b>	<b>83.6</b>	<b>82.6</b>	<b>80.1</b>	<b>91.6</b>
<b>1989</b> .....	<b>90.0</b>	<b>91.7</b>	<b>92.9</b>	<b>89.4</b>	<b>92.6</b>	<b>89.3</b>	<b>93.9</b>	<b>90.5</b>	<b>88.2</b>	<b>98.6</b>
<b>1990</b> .....	<b>106.3</b>	<b>108.1</b>	<b>109.8</b>	<b>98.9</b>	<b>108.4</b>	<b>102.8</b>	<b>108.6</b>	<b>107.0</b>	<b>105.8</b>	<b>107.8</b>
<b>1991</b> .....	<b>101.9</b>	<b>104.1</b>	<b>106.2</b>	<b>96.0</b>	<b>103.0</b>	<b>91.6</b>	<b>99.9</b>	<b>101.9</b>	<b>99.7</b>	<b>112.2</b>
<b>1992</b> .....	<b>93.4</b>	<b>94.9</b>	<b>94.7</b>	<b>87.1</b>	<b>92.5</b>	<b>85.6</b>	<b>91.2</b>	<b>92.1</b>	<b>92.3</b>	<b>105.7</b>
<b>1993</b> .....	<b>91.1</b>	<b>92.1</b>	<b>91.9</b>	<b>82.6</b>	<b>89.7</b>	<b>82.8</b>	<b>89.3</b>	<b>90.4</b>	<b>89.9</b>	<b>104.5</b>
<b>1994</b> .....	<b>88.4</b>	<b>89.4</b>	<b>89.0</b>	<b>81.8</b>	<b>87.0</b>	<b>79.2</b>	<b>88.5</b>	<b>87.6</b>	<b>89.4</b>	<b>100.0</b>
<b>1995</b> .....	<b>86.7</b>	<b>87.5</b>	<b>86.4</b>	<b>78.7</b>	<b>84.4</b>	<b>77.9</b>	<b>87.4</b>	<b>85.3</b>	<b>87.0</b>	<b>101.0</b>
<b>1996</b> .....	<b>98.9</b>	<b>100.0</b>	<b>98.6</b>	<b>97.2</b>	<b>97.6</b>	<b>94.0</b>	<b>98.6</b>	<b>96.9</b>	<b>98.4</b>	<b>117.8</b>
<b>1997</b>										
January .....	107.9	109.0	108.6	105.2	106.5	102.1	107.0	104.4	106.5	130.4
February .....	105.1	106.0	105.2	102.2	103.4	101.0	104.5	103.5	104.2	127.0
March .....	101.6	102.5	99.3	94.3	97.7	98.6	100.4	103.1	100.7	121.4
April .....	99.2	100.3	97.6	90.9	95.9	95.2	99.4	100.4	100.1	116.3
May .....	96.4	97.1	93.4	90.6	93.0	91.9	97.3	97.7	96.4	108.6
June .....	92.3	92.9	89.9	88.1	89.1	89.3	93.3	92.9	90.8	99.9
July .....	88.3	88.7	83.7	86.7	87.5	85.6	91.6	91.1	88.8	W
August .....	86.9	86.8	84.2	85.8	84.7	85.3	91.0	92.7	89.2	W
September .....	88.7	89.0	85.5	87.0	87.0	86.3	91.2	91.7	88.5	NA
October .....	92.3	92.8	88.9	90.0	89.5	88.2	94.6	93.1	88.0	106.7
November .....	94.1	94.6	91.3	92.0	90.7	88.6	95.4	94.7	92.0	W
December .....	93.8	94.6	91.9	90.9	89.9	88.5	94.6	94.0	94.2	111.8
<b>1997</b> .....	<b>98.4</b>	<b>99.3</b>	<b>96.3</b>	<b>94.2</b>	<b>96.0</b>	<b>94.2</b>	<b>98.9</b>	<b>98.7</b>	<b>98.4</b>	<b>117.4</b>
<b>1998</b>										
January .....	92.5	93.5	90.7	88.0	88.8	86.6	93.3	92.5	92.4	111.0
February .....	91.6	92.8	90.1	85.1	87.7	86.7	92.6	91.6	91.9	110.0
March .....	89.6	90.8	88.0	82.3	86.7	84.1	90.1	92.1	90.6	104.9
April .....	87.7	88.6	85.8	81.6	83.5	81.3	88.9	89.1	88.5	100.3
May .....	84.9	85.9	83.2	80.3	81.9	79.4	87.2	86.7	82.3	NA
June .....	81.2	82.1	78.1	78.6	78.5	75.6	84.4	84.3	79.8	89.8
July .....	77.7	78.4	74.4	76.0	76.2	70.5	83.3	81.4	74.1	84.0
August .....	75.5	76.1	71.4	74.3	74.0	68.5	78.6	80.9	74.5	85.6
September .....	77.0	77.6	72.4	74.4	74.2	70.8	78.8	80.5	73.0	84.6
October .....	78.6	79.1	75.5	74.1	75.3	71.1	81.7	82.4	76.4	W
November .....	79.9	80.6	77.0	73.3	74.7	72.3	80.4	82.0	82.4	W
December .....	78.9	79.6	77.1	70.9	74.3	71.4	79.9	81.7	80.9	W
<b>1998</b> .....	<b>85.2</b>	<b>86.2</b>	<b>83.1</b>	<b>78.8</b>	<b>81.8</b>	<b>78.8</b>	<b>86.8</b>	<b>87.3</b>	<b>85.8</b>	<b>102.2</b>
<b>1999</b>										
January .....	80.4	81.3	78.6	72.0	75.3	70.8	79.9	80.5	82.1	W
February .....	79.8	80.5	77.3	71.6	74.7	70.4	79.4	79.7	80.4	W
March .....	80.9	81.4	77.9	74.2	76.1	70.4	79.3	79.5	82.9	W
April .....	82.9	83.1	80.0	79.2	76.9	70.2	79.2	80.2	88.8	W
May .....	82.1	82.3	77.3	79.2	78.1	69.1	78.8	79.6	NA	W
June .....	80.8	81.0	75.1	77.4	76.6	68.5	78.2	78.3	77.0	W
July .....	81.6	81.6	78.0	79.8	77.5	69.7	79.0	79.9	76.3	W
August .....	83.5	82.7	79.8	83.0	80.3	74.5	81.2	82.2	78.1	W
September .....	90.1	89.6	85.2	88.9	86.1	82.0	90.6	88.0	85.0	W
October .....	94.8	94.8	90.9	91.5	91.0	87.9	93.1	92.2	90.3	W
November .....	100.0	100.1	95.8	97.2	96.6	92.0	97.0	95.8	97.0	W
December <sup>a</sup> .....	<sup>E</sup> 102.6	<sup>E</sup> 102.8	NA	NA	NA	NA	NA	NA	NA	NA

See footnotes at end of table.



**Table 18. Prices of No. 2 Distillate to Residences by PAD District and Selected States**

(Cents per Gallon Excluding Taxes) — Continued

Year Month	PAD District I (Continued)						PAD District II			
	MD	NJ	NY	PA	VA	WV	Average	IL	IN	MI
<b>1978</b> .....	49.2	49.6	50.1	48.8	49.1	46.2	—	46.5	48.5	47.9
<b>1979</b> .....	70.1	71.0	71.2	69.8	70.4	65.1	—	68.8	72.7	70.9
<b>1980</b> .....	97.9	97.9	98.2	96.4	98.5	92.2	—	95.8	99.6	97.8
<b>1981</b> .....	121.4	121.5	123.2	118.1	120.5	115.0	—	114.9	118.5	118.3
<b>1982</b> .....	117.1	117.4	120.5	113.7	117.7	109.3	—	110.9	114.3	113.9
<b>1983</b> .....	110.3	107.9	112.1	105.8	108.7	101.0	102.0	100.4	100.7	106.4
<b>1984</b> .....	113.5	111.0	115.5	107.9	110.5	102.1	101.7	100.1	103.1	105.0
<b>1985</b> .....	108.8	105.9	111.3	102.3	106.3	98.0	99.4	97.5	99.1	102.1
<b>1986</b> .....	91.4	90.2	91.1	81.4	86.6	74.6	72.7	NA	74.8	81.0
<b>1987</b> .....	86.6	84.3	85.2	76.9	79.5	76.4	74.8	79.8	75.4	77.5
<b>1988</b> .....	87.0	84.8	86.3	77.8	80.5	74.2	74.3	77.6	75.4	77.5
<b>1989</b> .....	93.8	91.8	95.8	85.1	87.0	83.0	81.9	80.9	83.2	85.3
<b>1990</b> .....	111.9	108.8	112.5	102.6	110.6	99.1	97.8	96.1	99.3	100.9
<b>1991</b> .....	108.4	104.0	111.3	99.7	101.1	93.4	90.8	92.7	91.8	94.2
<b>1992</b> .....	100.0	93.9	102.8	89.0	92.8	86.4	82.9	87.7	81.2	87.2
<b>1993</b> .....	98.1	92.4	100.1	86.3	89.3	85.6	83.3	84.4	81.0	87.2
<b>1994</b> .....	95.0	89.5	96.6	85.7	85.3	80.9	80.8	78.4	81.2	86.3
<b>1995</b> .....	93.6	88.8	95.5	82.6	84.4	81.5	80.9	78.5	81.6	86.0
<b>1996</b> .....	106.3	102.4	106.3	95.3	95.2	96.0	91.3	89.3	91.2	97.7
<b>1997</b>										
January .....	117.1	111.6	114.3	104.2	105.5	103.8	99.7	99.2	100.9	105.6
February .....	115.0	108.7	111.6	102.1	102.7	101.2	97.7	93.2	97.0	104.4
March .....	108.1	104.9	111.2	97.7	100.4	98.1	93.2	90.2	94.7	NA
April .....	105.6	102.8	109.4	94.8	96.7	95.7	90.7	85.5	NA	91.7
May .....	101.9	100.1	107.7	92.4	89.9	92.9	90.4	81.9	88.7	90.7
June .....	98.0	97.2	103.6	87.6	87.8	90.6	87.0	81.4	84.2	88.2
July .....	96.1	90.3	99.4	82.0	85.9	87.4	83.3	79.9	79.9	84.9
August .....	93.8	90.1	92.9	80.7	85.3	85.0	84.2	81.3	83.2	87.4
September .....	94.7	91.2	94.5	82.8	88.9	87.6	84.4	77.4	80.4	88.3
October .....	97.8	95.4	100.6	87.2	90.2	88.1	87.1	82.6	84.5	88.9
November .....	100.3	97.8	101.7	89.5	91.8	92.2	88.3	81.5	85.0	93.6
December .....	100.9	98.2	101.8	89.9	92.5	93.6	85.8	82.1	81.8	88.9
<b>1997</b> .....	<b>105.7</b>	<b>103.3</b>	<b>106.5</b>	<b>95.0</b>	<b>94.8</b>	<b>96.2</b>	<b>91.0</b>	<b>87.0</b>	<b>86.5</b>	<b>94.2</b>
<b>1998</b>										
January .....	100.4	96.5	101.4	89.2	92.1	91.1	82.6	80.4	79.9	85.9
February .....	98.8	95.8	101.0	88.5	91.4	88.9	80.6	79.7	78.9	84.2
March .....	96.8	92.9	98.3	86.2	89.6	88.5	79.6	77.2	77.9	83.3
April .....	93.1	91.7	97.1	84.0	88.4	86.8	79.2	74.4	77.0	81.8
May .....	89.0	89.6	95.0	82.1	83.8	82.1	76.7	70.0	73.2	81.5
June .....	85.8	83.9	92.2	75.7	82.4	79.8	74.0	NA	72.1	79.3
July .....	81.2	79.0	89.0	70.1	81.4	73.3	72.8	70.7	69.7	76.5
August .....	79.4	77.1	83.7	69.9	79.0	72.6	70.8	NA	71.0	74.5
September .....	81.7	80.3	85.2	71.7	80.1	72.6	72.6	66.2	72.5	75.9
October .....	80.3	82.3	88.0	74.1	80.3	76.9	73.8	69.8	73.0	77.3
November .....	82.1	83.5	89.3	76.6	81.2	76.8	73.1	70.8	71.9	77.9
December .....	80.3	82.6	88.5	76.0	79.9	73.8	71.3	66.6	69.3	77.9
<b>1998</b> .....	<b>90.2</b>	<b>89.2</b>	<b>94.8</b>	<b>81.4</b>	<b>85.6</b>	<b>81.8</b>	<b>76.5</b>	<b>73.5</b>	<b>74.8</b>	<b>80.4</b>
<b>1999</b>										
January .....	85.7	83.3	90.3	77.8	81.2	74.6	71.7	68.6	71.4	76.2
February .....	86.1	83.1	89.5	77.3	81.2	71.4	71.1	66.0	70.9	76.5
March .....	86.9	83.3	90.5	77.3	81.6	78.4	73.8	67.9	73.8	77.5
April .....	86.9	88.6	94.2	75.8	85.0	71.9	76.5	63.7	76.0	81.5
May .....	84.5	87.0	95.5	75.3	84.2	71.2	75.3	60.5	72.9	NA
June .....	81.8	84.4	96.1	73.8	83.2	66.2	74.4	57.9	74.0	NA
July .....	84.4	85.1	95.1	73.4	84.1	69.5	77.9	62.8	76.3	NA
August .....	85.9	88.3	NA	74.6	84.8	75.7	84.5	80.5	84.5	NA
September .....	92.4	95.1	98.7	81.7	88.8	79.5	89.8	85.6	91.7	NA
October .....	95.7	101.0	105.6	86.5	93.1	NA	92.6	89.0	90.9	NA
November .....	102.2	105.6	111.0	91.8	99.5	NA	97.6	92.4	96.8	NA
December <sup>a</sup> .....	NA	NA	NA	NA	NA	NA	97.8	NA	NA	NA

See footnotes at end of table.

**Table 18. Prices of No. 2 Distillate to Residences by PAD District and Selected States**

(Cents per Gallon Excluding Taxes) — Continued

Year Month	PAD District II (Continued)			PAD District III Average	PAD District IV		PAD District V			
	MN	OH	WI		Average	ID	Average	AK	OR	WA
1978 .....	47.8	47.4	44.7	—	—	43.6	—	53.2	45.8	48.6
1979 .....	72.4	68.6	67.3	—	—	62.1	—	68.2	68.0	69.7
1980 .....	99.9	91.9	91.5	—	—	91.6	—	97.8	97.3	100.8
1981 .....	118.4	113.2	109.1	—	—	110.4	—	118.0	111.4	116.5
1982 .....	115.1	110.2	107.8	—	—	110.4	—	117.4	111.6	117.6
1983 .....	103.1	101.3	101.2	87.4	94.2	101.8	106.4	108.8	103.6	109.0
1984 .....	104.1	102.1	101.0	97.9	96.8	98.5	101.5	106.9	99.3	102.6
1985 .....	101.9	99.7	98.3	92.5	96.1	97.2	100.9	108.3	97.1	101.1
1986 .....	79.2	77.7	75.6	67.4	70.6	73.8	78.1	94.9	70.4	77.5
1987 .....	74.6	74.7	75.1	63.7	69.6	68.8	77.8	86.5	72.5	79.5
1988 .....	73.5	74.7	73.9	62.8	69.1	68.8	76.9	86.9	70.9	78.5
1989 .....	82.4	81.6	81.1	70.7	78.6	77.8	86.6	96.4	80.2	87.4
1990 .....	101.4	98.1	94.2	85.5	97.0	97.4	102.6	110.1	97.0	102.9
1991 .....	91.1	91.0	89.5	78.7	92.4	95.1	99.8	105.0	93.3	101.6
1992 .....	82.6	83.6	81.6	71.3	84.8	85.7	92.1	94.1	87.6	94.0
1993 .....	83.2	84.0	82.3	75.4	86.0	86.2	96.8	96.1	91.8	99.9
1994 .....	80.6	81.2	81.1	71.4	78.6	78.9	90.9	86.5	88.7	95.0
1995 .....	80.1	80.8	81.2	69.0	84.4	83.9	90.6	83.4	89.4	96.2
1996 .....	90.9	92.1	89.9	77.5	94.2	93.3	99.9	90.9	98.9	108.0
1997 .....										
January .....	99.4	100.7	98.3	85.5	96.8	94.9	108.5	97.2	105.7	117.6
February .....	97.0	98.4	96.8	79.7	97.3	94.5	109.1	97.7	106.7	118.8
March .....	91.4	92.3	96.8	75.1	97.5	100.6	109.3	98.9	107.5	116.6
April .....	89.4	92.3	92.9	74.7	95.9	98.3	107.7	97.6	106.0	114.9
May .....	89.0	90.4	93.4	70.9	94.5	98.4	103.9	96.5	104.6	109.1
June .....	87.2	86.8	90.8	70.3	NA	93.4	102.5	96.1	100.2	112.2
July .....	84.7	83.2	86.9	70.4	89.9	89.9	103.3	97.6	96.8	NA
August .....	84.7	81.7	86.5	72.3	88.6	91.2	101.6	96.5	99.2	108.8
September .....	83.6	84.2	88.0	72.1	91.1	92.5	103.6	96.8	101.2	110.9
October .....	86.2	88.2	89.5	73.9	91.8	93.0	104.3	97.8	101.6	111.6
November .....	86.4	89.2	89.8	72.9	93.7	94.4	105.7	98.2	102.3	112.8
December .....	84.4	85.8	88.6	68.5	92.4	93.4	102.4	96.4	98.4	109.0
1997 .....	89.9	91.3	93.3	73.8	93.7	95.3	106.0	97.3	103.1	113.9
1998 .....										
January .....	81.5	82.2	85.4	66.2	83.2	84.9	98.6	NA	93.6	104.6
February .....	78.1	80.9	83.6	64.7	79.4	80.8	94.7	87.4	89.3	100.8
March .....	77.2	79.5	83.0	62.3	76.9	78.6	92.7	86.5	85.8	98.9
April .....	77.8	79.5	81.6	63.0	79.1	79.6	92.7	86.8	86.2	98.8
May .....	72.6	78.8	80.5	61.2	76.9	78.1	90.9	86.2	85.2	97.3
June .....	68.8	75.1	78.8	W	75.1	74.9	86.3	85.8	82.2	89.9
July .....	69.4	72.7	77.8	56.2	73.0	NA	83.2	81.8	82.2	86.5
August .....	68.2	70.1	75.5	55.1	77.3	79.6	84.5	82.5	84.4	87.7
September .....	70.5	72.3	74.9	59.8	78.2	78.4	86.4	83.4	83.7	90.2
October .....	70.7	74.4	76.8	57.9	78.6	78.8	89.2	84.4	84.1	94.9
November .....	70.3	73.4	76.6	55.6	77.0	76.4	89.4	82.7	82.4	97.1
December .....	67.9	71.6	74.6	51.9	71.0	71.1	88.5	82.6	81.9	95.0
1998 .....	73.8	76.7	80.1	59.1	77.6	78.4	91.4	85.2	86.1	97.8
1999 .....										
January .....	68.0	72.8	75.0	53.8	68.7	68.5	87.1	80.6	81.8	93.0
February .....	67.0	72.1	73.9	51.0	69.0	67.9	87.1	81.2	79.9	93.5
March .....	69.6	76.6	76.4	52.2	71.7	71.0	93.6	84.7	87.3	101.6
April .....	73.5	76.5	77.8	NA	NA	NA	104.3	NA	97.5	111.4
May .....	72.5	76.1	77.3	59.5	75.2	76.0	101.1	96.0	95.3	107.3
June .....	72.4	77.4	76.4	NA	76.6	75.6	103.2	97.3	104.8	110.3
July .....	74.0	78.9	79.8	65.0	78.9	NA	103.0	99.2	103.4	110.2
August .....	81.6	80.3	86.9	NA	82.5	81.5	NA	NA	102.9	108.3
September .....	85.4	86.9	91.5	73.8	86.4	89.7	106.3	103.9	100.6	111.1
October .....	90.1	89.9	95.3	NA	85.4	87.5	109.2	108.6	102.2	113.7
November .....	94.4	95.6	99.1	77.2	86.1	89.8	111.9	111.6	104.9	116.5
December <sup>a</sup> .....	NA	NA	NA	E 75.3	NA	NA	NA	NA	NA	NA

Dash (—) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

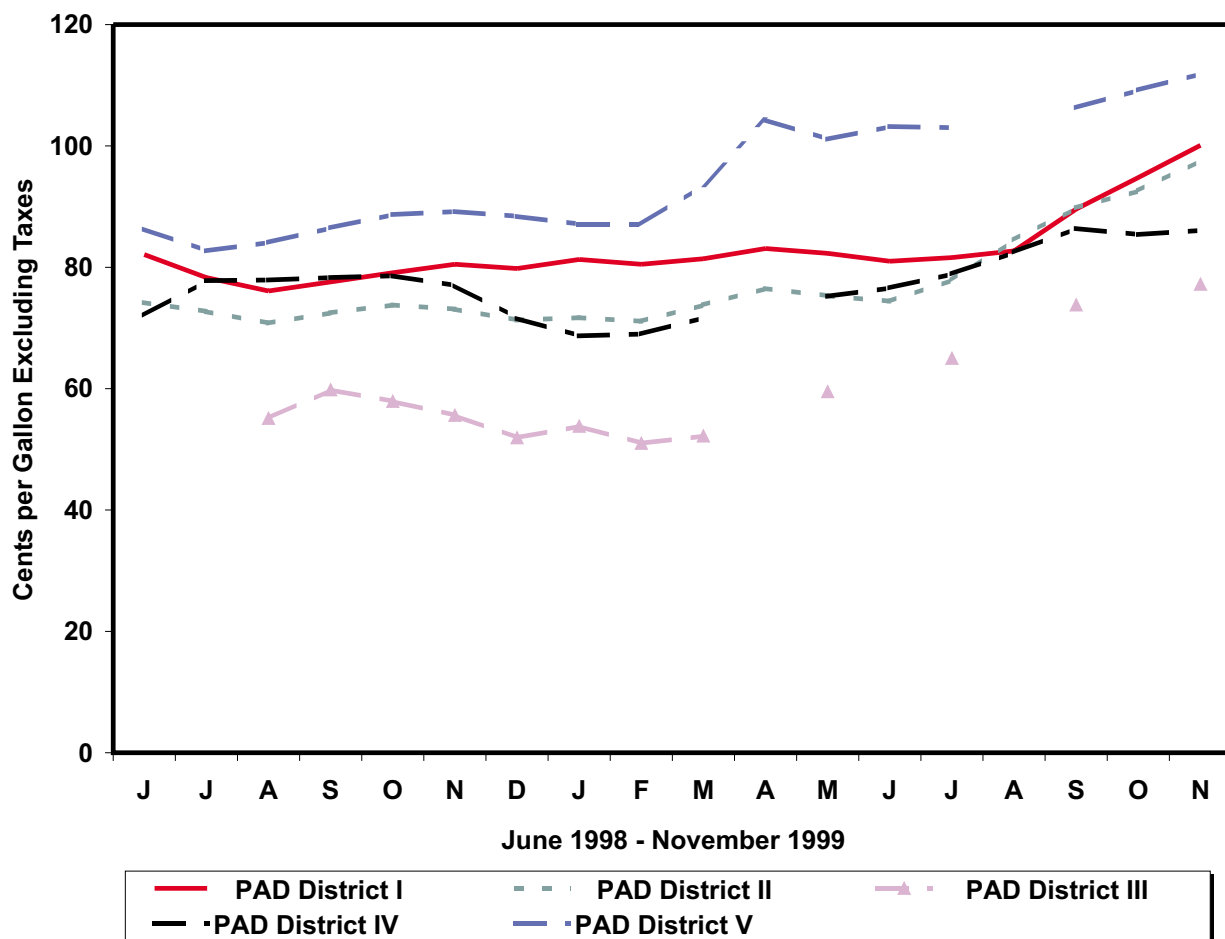
E = Estimated data.

<sup>a</sup> Data are initial estimates calculated using prior history of the series as well as present and past values of other related time series, such as spot prices and heating degree days. For an explanation of estimation methodology, see the Explanatory Notes.

Sources: Energy Information Administration Forms EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report," and EIA-782B, "Resellers/Retailers' Monthly Petroleum Product Sales Report," January 1983 forward; Form EIA-9A, "No. 2 Distillate Price Monitoring Report," source for backcast estimates prior to January 1983.

Notes: Values shown for the current month are preliminary. Values shown for previous months are revised. Data are final upon publication in the Petroleum Marketing Annual.

**Figure 6. U.S. No. 2 Distillate Prices to Residences by PAD District**



Source: Energy Information Administration, Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report" and Form EIA-782B, "Resellers'/Retailers' Monthly Petroleum Product Sales Report."

**Table 19. U.S. Refiner Residual Fuel Oil Prices**

(Cents per Gallon Excluding Taxes)

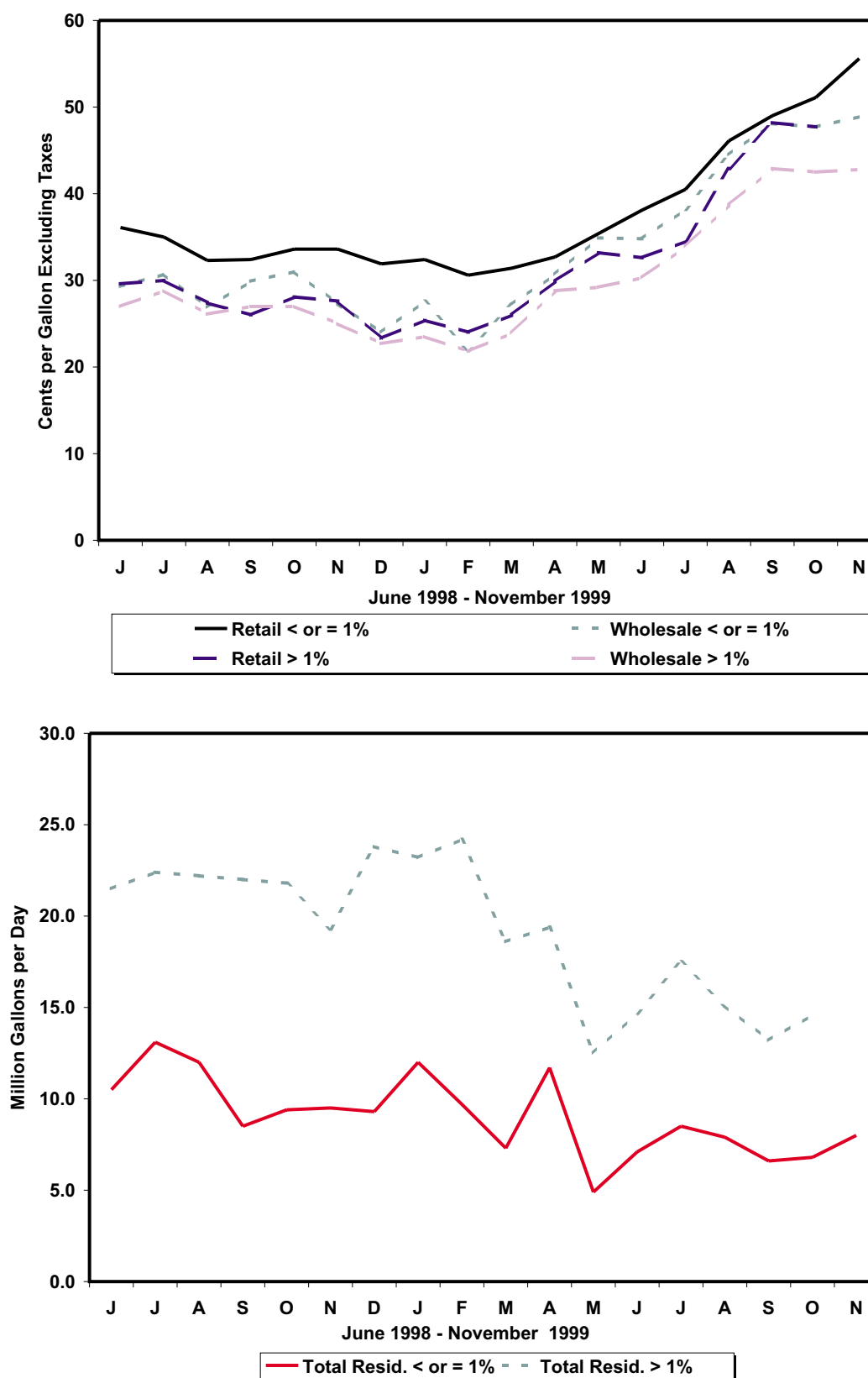
Year Month	Sulfur Less Than or Equal to 1 Percent		Sulfur Greater Than 1 Percent		Average	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
1978 .....	31.4	29.3	27.5	24.5	29.8	26.3
1979 .....	46.8	45.0	38.9	36.6	43.6	39.9
1980 .....	67.5	60.8	52.3	47.9	60.7	52.8
1981 .....	82.9	74.8	67.3	62.2	75.6	66.3
1982 .....	74.7	69.5	61.1	57.2	67.6	61.2
1983 .....	69.5	64.3	61.1	59.1	65.1	60.9
1984 .....	72.0	68.5	65.9	63.9	68.7	65.4
1985 .....	64.4	61.0	58.2	56.0	61.0	57.7
1986 .....	37.2	32.8	31.7	28.9	34.3	30.5
1987 .....	44.7	41.2	39.6	36.2	42.3	38.5
1988 .....	37.2	33.3	30.0	27.1	33.4	30.0
1989 .....	43.6	40.7	34.4	33.1	38.5	36.0
1990 .....	50.5	47.2	40.0	37.2	44.4	41.3
1991 .....	40.2	36.4	30.6	29.2	34.0	31.4
1992 .....	38.9	35.1	31.2	28.6	33.6	30.8
1993 .....	39.7	33.7	30.3	25.6	33.7	29.3
1994 .....	40.1	34.5	33.0	28.7	35.2	31.7
1995 .....	43.6	38.3	37.7	33.8	39.2	36.3
1996 .....	52.6	45.6	43.3	38.9	45.5	42.0
1997 .....						
January .....	58.7	46.2	46.3	39.3	49.5	42.9
February .....	54.6	43.7	41.8	35.4	45.2	39.3
March .....	49.3	39.8	37.6	33.9	40.3	35.8
April .....	46.4	37.6	37.5	35.2	39.7	36.1
May .....	45.2	36.7	38.6	35.4	40.3	35.8
June .....	44.4	39.5	38.7	34.7	40.1	36.7
July .....	44.2	38.5	38.2	35.3	39.6	36.5
August .....	44.6	39.4	39.5	37.5	40.7	38.3
September .....	46.4	40.1	40.1	37.5	41.3	38.7
October .....	48.2	44.6	42.9	39.7	43.9	42.0
November .....	51.2	46.5	43.8	41.6	45.7	43.5
December .....	48.5	38.7	37.8	32.8	40.2	35.6
1997 .....	48.8	41.5	40.3	36.6	42.3	38.7
1998 .....						
January .....	44.7	35.2	32.6	28.9	35.4	31.1
February .....	39.6	30.7	30.6	26.7	32.7	28.3
March .....	35.6	29.4	26.0	24.1	28.6	26.4
April .....	35.9	32.9	30.5	28.7	31.8	30.3
May .....	37.6	31.9	30.1	28.3	31.9	29.5
June .....	36.1	29.3	29.6	27.0	31.3	27.9
July .....	35.1	30.7	30.0	28.7	31.5	29.6
August .....	32.3	26.9	27.4	26.1	28.7	26.5
September .....	32.4	29.9	26.0	27.0	27.6	27.9
October .....	33.6	31.0	28.1	27.0	29.7	28.2
November .....	33.6	27.3	28.9	25.1	30.5	26.0
December .....	31.9	24.0	24.5	23.0	26.8	23.3
1998 .....	35.4	29.9	28.7	26.9	30.5	28.0
1999 .....						
January .....	32.4	27.6	25.4	23.5	27.2	25.2
February .....	30.6	21.9	24.0	21.8	25.8	21.8
March .....	31.4	27.2	26.0	23.9	27.5	24.9
April .....	32.7	30.7	29.9	28.8	30.9	29.5
May .....	NA	34.9	33.2	29.2	34.6	32.1
June .....	38.1	34.8	32.6	30.3	34.3	31.9
July .....	40.5	38.2	34.5	33.9	36.1	35.6
August .....	46.1	44.5	42.9	38.7	43.6	42.1
September .....	49.0	48.1	48.2	42.9	48.3	45.5
October .....	51.1	47.7	47.7	42.5	48.7	44.3
November .....	55.6	48.9	NA	42.8	NA	46.3

NA = Not available.

 Notes: Values shown for the current month are preliminary. Values shown for previous months are revised. Data are final upon publication in the *Petroleum Marketing Annual*.

Sources: Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report," January 1983 forward; Form EIA-460, "Petroleum Industry Monthly Report for Product Prices," source for backcast estimates prior to January 1983.

**Figure 7. U.S. Refiner Residual Fuel Oil Prices and Volumes**



Source: Energy Information Administration, Form EIA-782A, "Refiners' /Gas Plant Operators' Monthly Petroleum Product Sales Report."

**Table 20. U.S. Refiner Residual Fuel Oil Volumes**

(Million Gallons per Day)

Year Month	Sulfur Less Than or Equal to 1 Percent		Sulfur Greater Than 1 Percent		Total	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
<b>1983</b> .....	13.4	7.2	14.9	12.9	28.3	20.2
<b>1984</b> .....	15.1	6.7	17.8	14.6	32.9	21.3
<b>1985</b> .....	11.4	7.0	13.8	12.9	25.2	19.9
<b>1986</b> .....	15.2	7.9	16.4	10.7	31.6	18.6
<b>1987</b> .....	15.1	7.8	13.9	9.1	29.0	16.9
<b>1988</b> .....	14.2	8.7	15.9	10.3	30.2	18.9
<b>1989</b> .....	13.4	7.9	17.0	13.1	30.4	21.0
<b>1990</b> .....	11.1	7.4	14.9	10.5	25.9	17.9
<b>1991</b> .....	8.6	5.6	15.5	12.2	24.0	17.8
<b>1992</b> .....	7.1	5.2	15.3	10.0	22.4	15.2
<b>1993</b> .....	6.2	5.7	11.1	6.9	17.2	12.6
<b>1994</b> .....	4.2	6.6	9.3	6.2	13.5	12.8
<b>1995</b> .....	2.9	7.7	8.7	5.9	11.6	13.6
<b>1996</b> .....	3.1	6.3	9.8	7.4	12.9	13.8
<b>1997</b> .....						
January .....	3.6	7.3	10.2	6.8	13.8	14.1
February .....	3.8	6.5	10.4	7.3	14.1	13.9
March .....	3.2	3.0	10.4	6.4	13.6	9.4
April .....	2.8	3.7	8.7	6.8	11.5	10.5
May .....	2.7	2.7	8.0	5.5	10.7	8.2
June .....	3.0	4.3	9.3	6.0	12.3	10.4
July .....	3.2	4.1	10.2	6.8	13.5	10.9
August .....	2.9	5.1	9.2	7.0	12.1	12.1
September .....	2.6	5.0	10.1	6.6	12.6	11.6
October .....	2.9	5.7	12.2	6.7	15.1	12.4
November .....	3.6	4.6	10.8	7.2	14.4	11.8
December .....	3.9	6.0	13.6	6.8	17.5	12.9
<b>1997</b> .....	<b>3.2</b>	<b>4.8</b>	<b>10.3</b>	<b>6.7</b>	<b>13.4</b>	<b>11.5</b>
<b>1998</b> .....						
January .....	3.6	4.8	11.9	9.1	15.5	13.9
February .....	3.1	4.1	10.4	6.0	13.5	10.0
March .....	4.2	5.5	11.2	7.2	15.5	12.7
April .....	3.5	6.5	10.8	11.1	14.3	17.6
May .....	3.0	4.7	9.9	10.0	13.0	14.8
June .....	3.7	6.8	10.2	11.3	13.8	18.2
July .....	4.9	8.6	11.6	10.8	16.5	19.3
August .....	4.8	7.2	13.0	9.2	17.8	16.5
September .....	3.2	5.3	9.8	12.2	13.0	17.4
October .....	4.0	5.4	10.0	11.8	14.1	17.2
November .....	4.1	5.0	7.7	8.0	11.8	12.9
December .....	4.4	4.9	9.7	8.9	14.1	13.7
<b>1998</b> .....	<b>3.9</b>	<b>5.7</b>	<b>10.5</b>	<b>9.6</b>	<b>14.4</b>	<b>15.4</b>
<b>1999</b> .....						
January .....	4.4	7.6	12.8	10.4	17.1	18.0
February .....	4.4	5.3	11.9	12.3	16.2	17.6
March .....	4.1	3.2	10.6	8.0	14.7	11.3
April .....	5.0	6.7	9.1	10.3	14.1	17.0
May .....	NA	4.9	7.8	4.7	14.7	9.6
June .....	3.6	3.5	8.2	6.5	11.8	10.1
July .....	4.1	4.4	10.6	6.9	14.7	11.3
August .....	3.3	4.6	11.8	3.3	15.2	7.8
September .....	2.4	4.2	8.9	4.3	11.3	8.4
October .....	3.4	3.4	8.3	6.3	11.8	9.7
November .....	3.2	4.8	NA	3.6	NA	8.4

NA = Not available.

Notes: Values shown for the current month are preliminary. Values shown for previous months are revised. Data are final upon publication in the *Petroleum Marketing Annual*. Totals may not equal the sum of the components due to rounding.

Source: Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."

# **Crude Oil Prices**





**Table 21. Domestic Crude Oil First Purchase Prices**

(Dollars per Barrel)

Year Month	U.S. Average		PAD District I				PAD District II						
	U.S. Average	Less AK North Slope	Average	NY	PA	WV	Average	IL	IN	KS	KY	MI	NE
1978 .....	9.00	9.56	12.25	W	14.72	14.48	11.91	13.81	13.70	13.20	13.73	11.86	11.40
1979 .....	12.64	13.01	14.30	W	24.13	23.35	18.33	23.49	23.28	21.57	22.55	14.47	18.13
1980 .....	21.59	22.65	22.66	W	37.46	36.92	30.12	35.78	35.91	34.20	34.98	23.54	30.60
1981 .....	31.77	33.71	35.22	W	36.03	35.63	35.63	36.03	36.07	35.80	35.90	35.74	35.32
1982 .....	28.52	30.43	31.77	30.91	30.77	29.98	31.65	31.69	31.66	30.79	31.19	31.80	30.98
1983 .....	26.19	28.00	28.32	28.19	28.28	27.27	29.17	29.12	29.06	28.45	28.60	28.93	28.58
1984 .....	25.88	27.59	27.76	27.70	27.71	26.90	28.62	28.76	28.72	27.99	28.24	28.54	27.83
1985 .....	24.09	25.74	25.88	25.19	25.05	24.35	25.94	26.90	26.82	25.33	26.20	26.16	25.42
1986 .....	12.51	14.13	14.76	16.03	15.77	14.68	14.30	14.70	14.55	14.02	14.20	14.61	13.70
1987 .....	15.40	16.83	16.52	17.40	17.43	16.56	17.42	17.53	17.49	17.37	17.19	17.63	17.08
1988 .....	12.58	13.97	14.21	W	15.26	14.35	14.65	14.79	14.78	14.55	14.58	14.92	14.08
1989 .....	15.86	17.13	17.16	W	18.15	17.18	18.04	18.36	18.37	18.18	18.36	18.06	17.36
1990 .....	20.03	21.57	22.06	23.32	23.00	22.16	22.88	23.36	23.46	23.21	23.20	22.92	21.94
1991 .....	16.54	18.16	19.01	19.67	19.48	W	19.58	20.19	20.20	19.84	19.84	19.88	18.78
1992 .....	15.99	17.38	18.52	19.05	19.01	18.09	18.63	19.26	19.27	18.50	18.75	18.99	17.51
1993 .....	14.25	15.31	17.28	17.20	17.53	16.76	16.27	16.97	16.97	15.95	16.51	16.79	14.90
1994 .....	13.19	14.30	16.23	15.94	16.13	15.68	15.05	15.76	15.66	14.71	15.33	15.43	13.60
1995 .....	14.62	15.72	17.18	16.74	16.93	16.53	16.39	16.95	16.88	16.19	16.43	16.63	15.18
1996 .....	18.46	19.41	20.82	20.95	20.99	19.59	20.33	20.86	20.67	20.47	20.24	20.32	19.57
1997 .....	17.23	17.92	19.25	18.49	18.79	17.56	18.60	19.11	18.73	18.63	17.97	18.75	18.10
January .....	21.76	22.68	23.97	23.71	23.95	22.31	23.44	23.94	23.66	23.72	23.11	23.52	22.93
February .....	19.38	19.89	22.68	20.95	21.06	19.63	20.54	21.09	20.81	20.61	19.62	21.01	19.88
March .....	17.83	18.34	20.14	19.70	19.68	18.39	19.08	19.59	19.15	19.16	18.30	19.13	18.50
April .....	16.63	17.19	18.95	18.35	18.04	17.35	18.00	18.51	18.11	18.09	17.36	17.79	17.40
May .....	17.23	18.03	18.82	18.56	18.64	17.99	18.95	19.50	19.12	18.93	18.30	18.98	18.37
June .....	15.88	16.49	17.96	16.93	16.98	16.25	17.17	17.88	17.59	17.09	16.51	17.12	16.55
July .....	15.89	16.68	17.88	17.14	17.05	16.49	17.54	18.19	17.90	17.46	16.90	17.51	16.94
August .....	16.19	17.06	18.09	17.24	17.09	16.52	17.71	18.38	18.00	17.63	17.09	17.56	17.11
September .....	16.41	17.05	17.80	16.97	16.71	16.22	17.58	18.24	17.80	17.54	17.07	17.58	17.74
October .....	17.66	18.55	19.11	W	18.34	17.45	19.16	19.68	19.29	19.11	18.44	19.15	18.52
November .....	16.83	17.47	18.68	18.40	18.81	16.70	18.03	18.60	18.21	17.89	17.30	18.31	17.29
December .....	15.04	15.69	16.99	16.85	17.13	15.12	16.32	16.96	16.53	16.14	15.66	17.26	15.47
1997 .....	17.23	17.92	19.25	18.49	18.79	17.56	18.60	19.11	18.73	18.63	17.97	18.75	18.10
1998 .....	10.87	11.51	13.21	13.66	13.67	11.95	12.29	12.78	12.49	12.19	11.67	12.39	11.50
January .....	13.45	13.92	15.41	15.59	15.84	14.06	14.67	15.29	15.01	14.60	14.01	14.80	13.84
February .....	12.17	13.01	14.65	14.70	15.24	13.22	14.00	14.53	14.19	13.90	13.31	14.08	13.15
March .....	11.15	11.86	13.85	W	14.21	12.42	12.93	13.60	13.29	12.85	12.41	13.08	12.09
April .....	11.28	12.09	13.97	W	14.63	12.94	13.26	13.73	13.45	13.18	12.65	13.44	12.47
May .....	11.13	11.83	13.68	13.99	14.19	12.44	12.67	13.28	12.98	12.58	12.06	12.72	11.86
June .....	10.00	10.57	12.65	W	13.15	11.29	11.27	11.84	11.65	11.18	10.84	11.46	10.36
July .....	10.44	11.02	12.78	W	13.37	11.49	11.70	12.19	11.86	11.56	11.17	11.96	10.77
August .....	10.20	10.66	12.20	W	12.66	10.96	11.20	11.69	11.45	10.96	10.54	11.19	10.22
September .....	11.29	11.95	13.36	W	14.04	12.21	12.73	13.10	12.74	12.50	12.04	12.72	11.79
October .....	11.32	11.72	13.14	W	13.67	11.93	12.21	12.61	12.33	12.03	11.40	12.18	11.24
November .....	9.64	10.33	12.12	W	12.61	10.89	10.81	11.12	10.79	10.54	9.94	10.65	9.70
December .....	8.03	8.77	10.49	W	10.97	9.00	9.29	9.79	9.61	8.98	8.26	8.99	8.63
1998 .....	10.87	11.51	13.21	13.66	13.67	11.95	12.29	12.78	12.49	12.19	11.67	12.39	11.50
1999 .....	8.59	9.57	11.09	W	11.88	9.84	10.34	10.60	9.89	10.11	9.47	10.14	9.81
January .....	8.58	9.27	10.84	W	11.58	9.49	10.02	10.18	9.85	9.66	9.02	11.71	9.35
February .....	10.75	11.55	12.51	W	13.50	11.63	12.74	12.83	12.50	12.47	11.76	12.86	12.33
March .....	12.84	13.94	14.94	W	16.14	14.44	15.14	15.42	15.00	15.05	14.22	14.92	14.96
April .....	13.84	14.75	15.91	W	16.92	15.28	15.85	16.04	15.58	15.65	14.69	15.34	15.61
May .....	14.34	15.00	16.09	W	16.91	15.20	16.14	16.19	15.72	15.95	14.92	15.60	15.77
June .....	16.13	16.86	18.08	W	19.00	17.34	18.09	17.81	18.17	17.93	17.00	17.73	17.94
July .....	17.58	18.29	19.27	W	20.09	18.46	19.17	19.40	19.29	19.02	18.59	18.95	19.03
August .....	20.10	20.71	21.57	W	22.53	20.76	21.60	21.75	21.59	21.55	20.88	21.28	21.50
September .....	19.71	20.27	20.87	W	21.72	19.93	20.92	20.72	20.72	20.54	19.86	20.84	20.40
October .....	21.32	22.14	22.84	W	23.59	21.87	23.09	22.50	23.02	22.92	21.61	23.13	22.78
November .....													

See footnotes at end of table.

**Table 21. Domestic Crude Oil First Purchase Prices**

(Dollars per Barrel) — Continued

Year Month	PAD District II (Continued)				PAD District III							
	ND	OH	OK	SD	Average	AL	AR	LA	MS	NM	TX	Federal Offshore Gulf
1978 .....	9.75	13.80	11.30	12.16	9.37	10.52	10.63	9.03	7.91	10.17	9.29	9.86
1979 .....	13.64	22.79	17.53	15.35	12.33	11.97	14.72	11.42	10.74	14.33	12.65	11.23
1980 .....	26.42	36.64	29.25	28.81	21.24	20.57	24.17	19.87	20.85	24.06	21.84	18.87
1981 .....	35.63	36.11	35.43	35.55	35.00	35.80	33.69	35.45	30.47	35.04	35.06	35.07
1982 .....	31.89	30.90	32.04	31.63	31.92	32.32	30.12	32.44	29.04	31.82	31.77	32.61
1983 .....	29.27	28.14	29.67	29.10	29.45	30.07	28.28	30.02	26.76	29.26	29.35	29.77
1984 .....	28.39	27.71	29.11	28.36	29.03	29.39	28.15	29.67	27.26	28.69	28.87	29.36
1985 .....	25.32	25.11	26.28	25.79	26.91	25.77	25.79	27.22	25.51	26.84	26.80	27.33
1986 .....	13.54	15.51	14.47	13.81	14.89	13.91	14.54	15.32	13.63	14.93	14.73	15.27
1987 .....	16.76	17.42	17.62	16.96	17.57	16.80	17.23	17.97	16.78	17.57	17.55	17.54
1988 .....	13.85	15.19	14.86	14.04	14.75	13.86	14.41	15.22	13.98	14.78	14.71	14.71
1989 .....	17.12	18.06	18.23	17.33	17.86	17.27	17.34	18.39	17.00	17.86	17.81	17.83
1990 .....	21.94	23.09	22.95	22.32	22.42	22.09	21.56	23.04	21.06	22.44	22.37	22.40
1991 .....	18.80	19.59	19.59	19.21	19.23	19.05	18.06	20.14	17.65	19.35	19.04	19.41
1992 .....	18.02	18.96	18.74	18.19	18.37	18.22	17.33	19.00	16.70	18.55	18.32	18.35
1993 .....	15.42	17.44	16.47	15.39	16.23	16.21	15.03	16.90	14.59	16.44	16.19	16.15
1994 .....	14.08	15.98	15.33	14.24	14.97	15.00	13.74	15.60	13.45	15.32	14.98	14.75
1995 .....	15.58	16.67	16.68	15.53	16.38	16.35	14.84	17.06	14.76	16.74	16.38	16.17
1996 .....	19.46	19.96	20.60	19.56	20.29	20.24	18.67	20.88	18.95	20.79	20.31	20.03
<b>1997</b>												
January .....	22.29	22.59	23.82	22.78	23.58	23.05	22.36	24.30	22.03	23.96	23.48	23.56
February .....	19.49	19.92	20.94	19.72	20.71	20.70	19.36	21.40	19.15	21.02	20.49	20.90
March .....	18.15	18.64	19.43	18.31	19.01	18.83	18.02	19.52	17.51	19.45	18.95	18.96
April .....	17.18	17.51	18.37	17.30	17.83	17.53	17.04	18.40	16.43	18.40	17.88	17.52
May .....	18.13	18.18	19.35	18.17	18.85	18.76	17.93	19.35	17.37	19.26	18.97	18.45
June .....	16.30	16.49	17.59	16.48	17.24	17.19	16.19	17.66	15.53	17.60	17.24	17.14
July .....	16.60	16.61	18.03	16.65	17.56	17.31	16.52	17.98	15.88	17.89	17.58	17.44
August .....	16.79	16.71	18.23	W	17.85	17.56	16.70	18.27	16.05	18.13	17.86	17.76
September .....	16.71	16.33	18.06	W	17.78	17.63	16.62	18.27	15.92	18.01	17.74	17.77
October .....	18.30	17.81	19.68	W	19.25	19.05	18.11	19.88	17.51	19.51	19.25	19.09
November .....	17.16	16.89	18.53	W	18.28	18.17	17.05	18.75	16.32	18.51	18.19	18.40
December .....	15.34	15.36	16.78	15.87	16.43	16.42	15.24	17.00	14.64	16.57	16.32	16.56
1997 .....	17.63	17.77	19.05	17.80	18.69	18.58	17.58	19.22	16.94	19.02	18.66	18.63
<b>1998</b>												
January .....	13.69	14.28	15.16	W	14.69	14.73	13.57	15.22	13.08	14.90	14.70	14.59
February .....	13.05	13.35	14.48	13.03	13.85	13.84	12.91	14.33	12.24	14.16	13.95	13.60
March .....	11.92	12.58	13.41	W	12.68	12.54	11.83	13.03	10.92	13.08	12.80	12.44
April .....	12.33	13.12	13.72	W	12.81	12.60	12.12	13.01	11.04	13.33	13.04	12.43
May .....	11.68	12.63	13.13	W	12.61	12.41	11.50	13.04	10.50	12.76	12.62	12.57
June .....	10.29	11.60	11.72	W	11.27	11.15	10.16	11.58	8.93	11.26	11.24	11.37
July .....	10.91	11.70	12.06	12.69	11.61	11.40	10.48	11.97	9.29	11.66	11.74	11.45
August .....	10.37	11.20	11.69	W	11.18	11.10	9.90	11.59	8.89	11.28	11.30	11.03
September .....	11.87	12.41	13.30	W	12.52	12.43	11.36	13.15	10.45	12.77	12.59	12.31
October .....	11.48	12.06	12.65	W	12.26	12.02	10.90	12.57	9.94	12.40	12.42	12.05
November .....	10.18	11.07	11.25	12.77	10.91	10.65	9.48	11.03	8.91	10.89	10.89	11.04
December .....	8.62	9.22	9.74	W	9.31	9.15	7.82	9.75	7.71	9.08	9.20	9.48
1998 .....	11.39	12.20	12.73	12.29	12.19	12.08	11.10	12.59	10.33	12.36	12.28	12.03
<b>1999</b>												
January .....	9.52	10.06	10.89	9.37	10.15	9.98	8.98	10.58	8.76	10.34	10.37	9.77
February .....	9.17	9.70	10.40	W	9.88	9.46	8.49	10.04	8.28	9.98	9.98	9.79
March .....	11.72	11.71	13.41	10.57	12.16	11.44	11.15	12.43	10.50	12.61	12.47	11.70
April .....	14.24	14.32	15.68	W	14.53	13.71	13.75	15.07	12.70	14.98	15.10	13.70
May .....	15.20	15.18	16.36	W	15.33	14.69	14.34	15.83	13.30	15.79	15.79	14.66
June .....	15.33	15.06	16.84	W	15.72	14.92	14.57	16.09	13.52	15.98	15.94	15.43
July .....	17.38	17.12	18.76	W	17.54	16.85	16.70	18.25	15.75	18.05	17.92	16.93
August .....	18.68	18.27	19.58	19.11	18.93	18.42	17.85	19.89	17.01	19.29	19.26	18.32
September .....	20.86	20.60	22.13	21.56	21.36	22.17	20.26	22.34	19.35	21.65	21.75	20.61
October .....	20.67	19.85	21.40	21.13	20.86	20.24	19.44	21.35	18.41	21.03	20.98	20.72
November .....	22.89	21.68	23.61	W	22.83	22.33	21.56	23.80	20.77	23.19	23.18	22.22

See footnotes at end of table.

**Table 21. Domestic Crude Oil First Purchase Prices**

(Dollars per Barrel) — Continued

Year Month	PAD District IV					PAD District V				
	Average	CO	MT	UT	WY	Average	AK North Slope	AK Other	CA	Federal Offshore California
1978 .....	9.50	10.84	9.04	9.98	9.16	6.60	5.21	5.45	8.58	6.10
1979 .....	11.98	13.28	12.03	11.41	11.73	11.17	10.57	6.22	12.78	8.06
1980 .....	21.29	22.91	20.53	19.79	21.34	19.09	16.87	10.25	23.87	16.28
1981 .....	33.38	35.69	34.69	34.14	32.30	24.79	23.23	30.15	26.80	24.56
1982 .....	30.14	31.56	31.25	30.50	29.37	21.84	19.92	27.74	24.58	23.37
1983 .....	27.81	28.92	28.80	28.12	27.19	19.66	17.69	23.59	22.61	20.54
1984 .....	27.18	28.09	28.07	27.21	26.73	19.52	17.91	24.37	22.09	20.41
1985 .....	24.78	25.64	25.29	23.98	24.67	19.11	16.98	22.46	22.14	20.08
1986 .....	13.24	13.98	13.58	13.33	12.94	8.53	6.45	13.13	11.90	9.48
1987 .....	16.77	17.71	16.57	17.22	16.45	11.89	10.83	15.48	13.92	11.82
1988 .....	13.85	14.83	13.84	14.24	13.47	9.28	8.43	12.92	10.97	9.41
1989 .....	17.37	18.86	17.03	18.63	16.73	12.71	12.00	16.17	14.06	12.64
1990 .....	21.68	23.16	21.61	22.61	21.04	16.15	15.23	21.16	17.81	16.21
1991 .....	18.21	19.95	18.17	19.99	17.33	12.30	11.57	15.36	13.72	11.33
1992 .....	17.27	19.04	17.08	19.39	16.38	12.32	11.73	15.56	13.55	10.78
1993 .....	15.30	16.59	14.70	17.48	14.59	11.23	10.84	14.11	12.11	9.20
1994 .....	14.27	15.44	13.43	16.38	13.67	10.53	9.77	13.87	12.12	9.32
1995 .....	15.90	16.67	14.93	17.71	15.50	12.08	11.12	15.28	14.00	10.81
1996 .....	19.85	20.47	18.89	21.10	19.56	15.73	15.32	18.43	16.72	13.82
1997 .....										
January .....	22.79	23.72	21.85	23.49	22.55	19.19	18.84	22.76	20.04	17.40
February .....	19.73	20.80	18.59	20.50	19.45	17.50	17.72	19.83	17.52	14.71
March .....	18.32	19.55	17.51	18.84	17.99	16.04	16.09	18.49	16.39	13.47
April .....	17.16	18.39	16.39	17.76	16.81	14.80	14.70	16.48	15.47	12.30
May .....	18.11	19.42	17.22	18.72	17.74	14.73	14.45	16.98	15.61	12.45
June .....	16.35	17.64	15.61	17.24	15.90	13.84	13.70	15.12	14.54	11.38
July .....	16.69	18.01	15.92	17.46	16.29	13.29	12.97	15.19	14.17	11.20
August .....	16.99	18.15	16.18	17.83	16.61	13.64	12.94	15.65	14.92	12.30
September .....	16.81	18.09	15.99	17.58	16.42	14.44	14.11	15.74	15.28	12.57
October .....	18.34	19.74	17.64	19.22	17.89	15.24	14.52	17.20	16.59	14.19
November .....	17.05	18.38	16.39	18.26	16.51	14.71	14.54	16.62	15.30	12.70
December .....	15.42	16.72	15.37	16.44	14.71	13.02	12.81	W	13.66	11.19
1997 .....	17.80	19.03	17.00	18.57	17.41	15.06	14.84	17.43	15.78	12.97
1998 .....										
January .....	13.73	15.10	13.72	14.84	12.96	11.46	11.67	W	11.53	9.11
February .....	13.09	14.35	13.10	14.17	12.34	9.46	9.15	W	10.27	7.53
March .....	11.92	13.35	12.08	12.93	11.09	8.66	8.48	W	9.25	6.52
April .....	12.31	13.52	12.40	13.47	11.54	8.63	8.14	11.40	9.56	6.84
May .....	11.93	12.99	11.82	13.08	11.19	8.68	8.38	11.27	9.39	6.53
June .....	10.36	11.59	10.40	11.49	9.63	8.01	7.74	10.87	8.64	6.03
July .....	10.92	12.05	11.01	12.05	10.20	8.63	8.25	11.83	9.42	6.75
August .....	10.25	11.20	10.20	11.60	9.58	8.70	8.39	11.51	9.39	6.74
September .....	11.82	12.91	11.74	12.96	11.19	9.36	8.69	12.90	10.41	7.84
October .....	11.49	12.42	11.27	12.73	10.93	9.95	9.89	12.46	10.36	8.02
November .....	10.06	10.74	9.94	11.04	9.64	7.77	7.16	10.48	8.87	6.76
December .....	8.56	9.65	8.48	9.25	8.10	6.17	5.46	W	7.46	5.01
1998 .....	11.38	12.56	11.28	12.52	10.70	8.80	8.47	11.55	9.55	6.99
1999 .....										
January .....	9.72	10.54	9.68	10.55	9.30	6.28	5.22	W	7.88	5.31
February .....	9.39	10.24	8.97	10.12	9.09	6.56	6.06	W	7.38	5.38
March .....	12.05	12.74	11.70	12.87	11.77	8.49	7.86	W	9.37	7.35
April .....	14.61	15.24	14.25	15.42	14.34	9.92	8.57	W	11.73	9.10
May .....	15.36	15.91	14.91	16.00	15.16	11.34	10.45	W	12.61	10.51
June .....	15.56	16.32	15.26	15.88	15.36	11.94	11.68	W	12.38	10.37
July .....	17.61	18.13	17.14	18.38	17.39	13.61	13.22	W	14.25	12.18
August .....	18.61	19.00	18.26	19.31	18.43	15.27	14.77	W	15.88	14.21
September .....	21.24	22.06	21.09	21.56	20.97	17.83	17.46	W	18.25	16.86
October .....	20.30	20.70	20.10	21.19	20.01	17.86	17.55	W	18.49	15.80
November .....	22.48	23.48	22.49	23.13	22.04	18.76	18.07	W	19.72	17.56

W = Withheld to avoid disclosure of individual company data.

Notes: The actual domestic average price represents the average price at the lease (or wellhead) at which domestic crude oil is purchased.

Notes: Values shown for the current month are preliminary. Values shown for previous months are revised. Data are final upon publication in the *Petroleum Marketing Annual*.

Sources: Energy Information Administration, Form ERA-182, "Domestic Crude Oil First Purchaser's Report," January 1978 through December 1982; Form EIA-182, "Domestic Crude Oil First Purchase Report," January 1983 to present.

**Table 22. Domestic Crude Oil First Purchase Prices for Selected Crude Streams**

(Dollars per Barrel)

Year Month	Alaska North Slope	California Midway- Sunset	California Kern River	California Wilmington	Louisiana South Mix	North Dakota Sweet	West Texas Intermediate	West Texas Sour	Wyoming Sour
<b>1994</b> .....	<b>9.77</b>	<b>11.79</b>	<b>11.65</b>	<b>12.47</b>	<b>15.71</b>	<b>14.54</b>	<b>15.65</b>	<b>14.16</b>	<b>11.87</b>
<b>1995</b> .....	<b>11.12</b>	<b>13.37</b>	<b>13.59</b>	<b>14.70</b>	<b>17.14</b>	<b>16.02</b>	<b>17.03</b>	<b>15.52</b>	<b>14.06</b>
<b>1996</b> .....	<b>15.32</b>	<b>15.70</b>	<b>15.97</b>	<b>17.13</b>	<b>20.89</b>	<b>19.82</b>	<b>20.96</b>	<b>19.49</b>	<b>18.16</b>
<b>1997</b>									
January .....	18.84	18.86	19.05	20.06	24.17	22.90	24.09	22.62	20.87
February .....	17.72	15.98	16.29	17.30	21.31	19.92	21.15	19.54	17.52
March .....	16.09	15.25	15.40	16.39	19.56	18.59	19.72	17.67	15.92
April .....	14.70	14.25	14.61	15.61	18.31	17.56	18.66	16.74	14.84
May .....	14.45	14.86	14.99	16.23	19.39	18.44	19.70	17.99	15.58
June .....	13.70	13.64	13.72	14.94	17.60	16.55	17.84	16.30	13.83
July .....	12.97	13.36	13.56	13.94	17.96	16.87	18.19	16.72	14.34
August .....	12.94	14.20	14.59	W	18.23	17.08	18.42	17.03	14.61
September .....	14.11	14.58	14.71	W	18.26	16.94	18.30	16.89	14.43
October .....	14.52	15.96	16.09	W	19.88	18.55	19.82	18.50	15.78
November .....	14.54	14.50	14.36	W	18.78	17.38	18.78	17.25	14.14
December .....	12.81	12.81	12.96	W	17.03	15.55	16.79	15.46	12.13
<b>1997</b> .....	<b>14.84</b>	<b>14.88</b>	<b>15.02</b>	<b>16.44</b>	<b>19.22</b>	<b>17.96</b>	<b>19.27</b>	<b>17.77</b>	<b>15.39</b>
<b>1998</b>									
January .....	11.67	10.52	10.64	W	15.21	13.88	15.28	13.88	10.34
February .....	9.15	8.97	9.11	W	14.36	13.22	14.68	13.04	9.50
March .....	8.48	7.79	8.06	W	12.99	12.11	13.49	11.84	8.44
April .....	8.14	8.18	8.42	W	12.92	12.52	13.81	12.04	8.88
May .....	8.38	8.16	8.37	W	12.97	11.88	13.32	11.85	8.45
June .....	7.74	7.50	7.62	W	11.56	10.49	11.83	10.65	7.07
July .....	8.25	8.23	8.51	W	11.93	11.12	12.30	11.06	7.73
August .....	8.39	8.23	8.46	W	11.53	10.70	11.81	10.73	7.23
September .....	8.69	9.19	9.41	W	13.00	12.18	13.25	12.02	8.99
October .....	9.89	9.44	9.69	W	12.76	11.57	12.95	11.83	8.88
November .....	7.16	7.95	8.14	W	10.98	10.54	11.39	10.24	7.79
December .....	5.46	7.39	6.74	W	9.83	9.05	9.69	8.60	6.42
<b>1998</b> .....	<b>8.47</b>	<b>8.48</b>	<b>8.59</b>	<b>9.11</b>	<b>12.55</b>	<b>11.62</b>	<b>12.89</b>	<b>11.50</b>	<b>8.33</b>
<b>1999</b>									
January .....	5.22	7.14	7.22	7.98	10.59	9.82	10.92	9.75	7.60
February .....	6.06	7.05	7.18	W	10.06	9.55	10.49	9.41	7.40
March .....	7.86	8.65	8.83	W	12.33	12.06	12.97	11.91	10.10
April .....	8.57	10.93	11.19	W	14.91	14.59	15.68	14.41	12.56
May .....	10.45	11.71	11.86	W	15.58	15.59	16.31	15.15	13.52
June .....	11.68	11.22	11.48	W	15.88	15.75	16.53	15.16	13.81
July .....	13.22	13.20	13.54	W	18.18	17.76	18.43	17.27	15.83
August .....	14.77	14.89	15.28	W	19.71	18.84	19.77	18.67	17.15
September .....	17.46	17.38	17.73	W	22.04	20.95	22.23	21.07	19.57
October .....	17.55	17.42	17.59	W	20.98	20.88	21.37	20.44	18.39
November .....	18.07	18.60	19.13	W	23.57	23.10	23.65	22.49	20.08

W = Withheld to avoid disclosure of individual company data.

Notes: Values shown for the current month are preliminary. Values shown for previous months are revised. Data are final upon publication in the *Petroleum Marketing Annual*.

Source: Energy Information Administration, Form EIA-182, "Domestic Crude Oil First Purchase Report."

**Table 23. Domestic Crude Oil First Purchase Prices by API Gravity**  
(Dollars per Barrel)

Year Month	20.0 or Less	20.1 to 25.0	25.1 to 30.0	30.1 to 35.0	35.1 to 40.0	40.1 or Greater
<b>1994</b> .....	<b>11.83</b>	<b>12.83</b>	<b>9.79</b>	<b>14.72</b>	<b>14.79</b>	<b>15.62</b>
<b>1995</b> .....	<b>13.26</b>	<b>14.64</b>	<b>11.14</b>	<b>16.15</b>	<b>16.24</b>	<b>16.98</b>
<b>1996</b> .....	<b>16.01</b>	<b>18.61</b>	<b>15.35</b>	<b>19.97</b>	<b>20.23</b>	<b>20.91</b>
<b>1997</b>						
January .....	19.26	21.50	18.87	23.25	23.40	24.07
February .....	16.63	18.34	17.74	20.36	20.62	21.19
March .....	15.75	16.90	16.11	18.64	19.23	19.65
April .....	14.50	15.70	14.72	17.42	18.10	18.62
May .....	15.41	16.33	14.48	18.35	18.81	19.64
June .....	14.16	14.71	13.74	16.87	17.13	17.81
July .....	13.85	15.15	13.00	17.23	17.39	18.14
August .....	14.86	15.50	12.97	17.54	17.68	18.36
September .....	15.07	15.36	14.14	17.50	17.58	18.22
October .....	16.47	16.79	14.56	18.97	19.11	19.73
November .....	15.08	15.21	14.57	18.02	17.98	18.71
December .....	13.50	13.60	12.84	16.17	16.29	16.80
<b>1997</b> .....	<b>15.44</b>	<b>16.27</b>	<b>14.87</b>	<b>18.38</b>	<b>18.62</b>	<b>19.26</b>
<b>1998</b>						
January .....	11.26	11.76	11.69	14.51	14.64	15.21
February .....	9.75	10.79	9.19	13.64	13.91	14.56
March .....	8.78	9.77	8.51	12.45	12.72	13.41
April .....	9.10	10.34	8.17	12.52	13.06	13.66
May .....	9.00	9.86	8.41	12.51	12.53	13.20
June .....	8.30	8.40	7.77	11.18	11.09	11.75
July .....	9.09	9.23	8.28	11.54	11.61	12.21
August .....	9.04	8.72	8.41	11.18	11.19	11.72
September .....	10.06	10.35	8.72	12.51	12.59	13.19
October .....	10.12	10.02	9.90	12.25	12.22	12.75
November .....	8.57	8.77	7.18	10.73	10.95	11.28
December .....	7.46	7.37	5.48	9.27	9.26	9.59
<b>1998</b> .....	<b>9.22</b>	<b>9.62</b>	<b>8.50</b>	<b>12.03</b>	<b>12.17</b>	<b>12.80</b>
<b>1999</b>						
January .....	7.79	8.48	5.25	10.05	10.11	10.79
February .....	7.54	8.22	6.09	9.73	9.90	10.43
March .....	9.41	10.85	7.90	12.07	12.44	12.88
April .....	11.77	13.36	8.63	14.54	15.00	15.54
May .....	12.48	14.23	10.49	15.27	15.81	16.19
June .....	11.74	14.39	11.71	15.47	15.97	16.41
July .....	14.19	16.37	13.26	17.59	18.07	18.34
August .....	15.74	17.67	14.81	19.03	19.02	19.66
September .....	18.30	20.30	17.50	21.44	21.31	22.11
October .....	18.33	19.12	17.58	20.82	20.74	21.28
November .....	19.53	21.00	18.12	22.78	23.06	23.56

Notes: Values shown for the current month are preliminary. Values shown for previous months are revised. Data are final upon publication in the *Petroleum Marketing Annual*.

Source: Energy Information Administration, Form EIA-182, "Domestic Crude Oil First Purchase Report."

**Table 24. F.O.B.<sup>a</sup> Costs of Imported Crude Oil by Selected Country**  
(Dollars per Barrel)

Year Month	Selected Countries							Persian Gulf <sup>b</sup>	Total OPEC <sup>c</sup>	Non OPEC
	Angola	Colombia	Mexico	Nigeria	Saudi Arabia	United Kingdom	Venezuela			
1978 .....	13.32	—	13.24	14.05	12.70	13.82	12.38	12.77	13.31	13.23
1979 .....	19.85	—	20.27	21.69	17.28	21.70	16.90	18.77	19.88	20.92
1980 .....	33.45	W	31.06	35.93	28.17	34.36	24.81	28.92	32.21	32.85
1981 .....	35.55	—	33.01	38.31	32.60	36.06	28.95	33.00	35.17	35.12
1982 .....	31.86	—	28.08	35.13	33.73	33.42	23.74	33.55	33.48	30.58
1983 .....	28.14	—	25.20	29.81	27.53	29.91	21.48	27.70	28.46	27.20
1984 .....	27.46	—	26.39	29.51	27.67	28.87	24.23	27.48	27.79	27.45
1985 .....	26.30	—	25.33	28.04	22.04	27.64	23.64	23.31	25.67	25.96
1986 .....	13.30	12.34	11.84	14.35	11.36	13.84	10.92	11.35	12.21	12.87
1987 .....	17.27	17.84	16.36	18.47	15.12	18.28	15.08	15.97	16.43	16.99
1988 .....	13.70	13.61	12.18	15.16	12.16	14.80	12.96	12.38	13.43	13.05
1989 .....	17.66	17.89	15.96	18.31	16.29	17.89	16.09	16.61	17.06	16.72
1990 .....	20.23	20.75	19.26	22.46	20.36	23.43	19.55	18.54	20.40	20.32
1991 .....	18.47	18.49	15.37	20.29	14.62	20.81	14.91	15.22	16.99	16.77
1992 .....	18.41	18.02	15.26	19.98	15.85	19.61	14.39	16.35	16.87	16.66
1993 .....	16.23	15.87	13.74	17.79	13.77	16.64	12.46	14.21	14.78	14.65
1994 .....	15.40	14.99	13.68	16.32	14.12	15.66	12.21	13.97	14.00	14.34
1995 .....	16.58	16.73	15.64	17.40	W	16.94	13.86	W	15.36	16.02
1996 .....	20.71	21.33	19.14	21.27	19.28	19.43	17.73	19.22	18.94	19.65
<b>1997</b>										
January .....	23.20	24.14	20.98	23.45	17.37	W	19.29	17.37	20.20	21.88
February .....	21.35	21.12	18.57	21.53	W	W	16.68	W	17.94	19.71
March .....	18.66	19.41	17.00	19.02	W	—	15.50	W	16.49	17.68
April .....	17.05	17.87	15.94	17.97	15.82	W	14.81	15.95	15.92	16.44
May .....	18.25	17.95	16.84	18.99	15.64	19.03	15.30	15.70	16.28	17.33
June .....	17.84	16.87	15.70	18.22	15.26	18.09	14.66	15.11	15.61	16.36
July .....	17.72	17.73	15.99	19.12	15.14	17.40	15.02	15.19	16.02	16.65
August .....	17.96	18.42	16.29	18.98	16.89	18.17	15.33	16.47	16.37	16.96
September .....	18.15	18.52	16.02	19.35	15.33	18.44	15.25	16.15	16.51	16.99
October .....	19.33	19.52	17.51	20.03	W	W	15.81	W	16.32	18.15
November .....	18.54	18.24	16.04	19.11	W	W	14.39	W	14.99	17.02
December .....	16.58	17.18	13.79	17.39	W	W	12.51	W	13.31	14.97
1997 .....	18.81	18.85	16.72	19.43	15.16	18.59	15.33	15.24	16.26	17.51
<b>1998</b>										
January .....	14.52	15.36	12.08	15.21	W	W	11.26	W	12.26	13.14
February .....	13.13	14.27	11.47	13.77	W	W	10.24	W	11.35	12.10
March .....	12.53	13.10	9.77	13.56	W	W	9.70	W	10.93	11.22
April .....	12.93	13.48	11.01	13.86	W	W	10.32	7.80	10.58	11.63
May .....	13.85	13.08	11.25	14.13	7.62	W	9.78	7.86	10.58	11.97
June .....	11.82	11.85	9.96	11.57	8.25	W	9.16	8.50	9.73	10.44
July .....	11.14	12.24	10.44	11.77	9.06	W	8.99	8.95	9.76	10.83
August .....	11.37	12.12	9.87	12.23	9.77	11.13	8.54	9.68	9.69	10.60
September .....	12.59	13.20	11.13	13.92	W	W	10.52	W	11.35	11.95
October .....	11.67	13.37	11.05	12.58	10.19	W	9.43	10.19	10.22	11.66
November .....	10.82	11.29	9.71	10.64	9.07	10.85	6.62	8.76	8.03	10.32
December .....	9.33	9.58	7.82	10.29	7.69	W	6.51	7.57	7.52	8.69
1998 .....	12.11	12.56	10.49	12.97	8.87	12.52	9.31	9.09	10.20	11.21
<b>1999</b>										
January .....	10.75	10.96	8.67	10.78	9.03	—	6.33	8.77	8.20	9.80
February .....	10.16	10.47	8.52	10.50	11.59	W	7.06	11.18	8.93	9.61
March .....	11.92	13.33	10.92	13.67	13.25	W	10.70	12.97	12.04	11.71
April .....	15.06	15.95	13.77	16.12	W	W	12.53	13.64	13.68	14.51
May .....	14.88	15.87	14.05	15.46	W	15.39	12.27	15.01	13.93	14.74
June .....	15.56	16.43	14.42	16.50	W	16.03	13.82	16.46	15.03	15.14
July .....	19.10	18.27	17.01	18.81	W	16.96	15.80	17.41	16.93	17.56
August .....	20.31	19.88	18.74	20.69	W	19.79	17.55	19.31	18.82	19.32
September .....	22.48	23.12	20.52	22.68	20.64	21.97	19.18	20.20	20.29	21.57
October .....	21.65	22.39	20.08	22.19	21.34	20.65	18.82	21.11	20.37	21.07
November .....	W	24.95	22.05	W	21.65	22.28	19.95	21.73	21.00	22.56

Dash (—) = No data reported.

W = Withheld to avoid disclosure of individual company data.

<sup>a</sup> Free on Board. See Glossary.

<sup>b</sup> Includes Bahrain, Iran, Iraq, Kuwait, Neutral Zone, Qatar, Saudi Arabia, and United Arab Emirates.

<sup>c</sup> Includes Algeria, Indonesia, Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, United Arab Emirates and Venezuela. In addition, it included Ecuador in 1978 through 1992 and Gabon in 1978 through 1995.

Notes: Values through 1980 reflect the month of reporting; values since then reflect the month of acquisition, which can be the month of loading, the month of landing, or sometime between those events. Prices for crude oil can be determined at a time other than the acquisition date. See the Explanatory Notes section for additional detail.

Notes: Values for the current 2 months are preliminary. Values shown for previous months are revised. Data are final upon publication in the *Petroleum Marketing Annual*.

Sources: Energy Information Administration, Form FEA-F701-M-0, "Transfer Pricing Report," January 1978 through December 1978; Form ERA-51, "Transfer Pricing Report," January 1979 through September 1982; Form EP-51, "Monthly Foreign Crude Oil Transaction Report," October 1982 through June 1984; Form EIA-856, "Monthly Foreign Crude Oil Acquisition Report," July 1984 to present.

**Table 25. Landed Costs of Imported Crude Oil by Selected Country**  
(Dollars per Barrel)

Year Month	Selected Countries								Persian Gulf <sup>a</sup>	Total OPEC <sup>b</sup>	Non OPEC
	Angola	Canada	Colombia	Mexico	Nigeria	Saudi Arabia	United Kingdom	Venezuela			
1978 .....	14.07	14.41	—	13.56	14.88	13.94	14.53	12.84	14.01	14.34	14.38
1979 .....	21.06	20.22	—	20.77	22.97	18.95	22.97	17.65	20.42	21.29	22.10
1980 .....	34.76	30.11	W	31.77	37.15	29.80	35.68	25.92	30.59	33.56	33.99
1981 .....	36.84	32.32	—	33.70	39.66	34.20	37.29	29.91	34.61	36.60	36.14
1982 .....	33.08	27.15	—	28.63	36.16	34.99	34.25	24.93	34.94	34.81	31.47
1983 .....	29.31	25.63	—	25.78	30.85	29.27	30.87	22.94	29.37	29.84	28.08
1984 .....	28.49	26.56	—	26.85	30.36	29.20	29.45	25.19	29.07	29.06	28.14
1985 .....	27.39	25.71	—	25.63	28.96	24.72	28.36	24.43	25.50	26.86	26.53
1986 .....	14.09	13.43	12.85	12.17	15.29	12.84	14.63	11.52	12.92	13.46	13.52
1987 .....	18.20	17.04	18.43	16.69	19.32	16.81	18.78	15.76	17.47	17.64	17.66
1988 .....	14.48	13.50	14.47	12.58	15.88	13.37	15.82	13.66	13.51	14.18	13.96
1989 .....	18.36	16.81	18.10	16.35	19.19	17.34	18.74	16.78	17.37	17.78	17.54
1990 .....	21.51	20.48	22.34	19.64	23.33	21.82	22.65	20.31	20.55	21.23	20.98
1991 .....	19.90	17.16	19.55	15.89	21.39	17.22	21.37	15.92	17.34	18.08	17.93
1992 .....	19.36	17.04	18.46	15.60	20.78	17.48	20.63	15.13	17.58	17.81	17.67
1993 .....	17.40	15.27	16.54	14.11	18.73	15.40	17.92	13.39	15.26	15.68	15.78
1994 .....	16.36	14.83	15.80	14.09	17.21	15.11	16.64	13.12	15.00	15.08	15.29
1995 .....	17.66	16.65	17.45	16.19	18.25	16.84	17.91	14.81	16.78	16.61	16.95
1996 .....	21.86	19.94	22.02	19.64	21.95	20.49	20.88	18.59	20.45	20.14	20.47
<b>1997</b> .....	<b>20.24</b>	<b>17.63</b>	<b>19.71</b>	<b>17.30</b>	<b>20.64</b>	<b>17.52</b>	<b>20.64</b>	<b>16.35</b>	<b>17.44</b>	<b>17.73</b>	<b>18.45</b>
January .....	24.45	21.79	24.98	21.52	24.67	20.90	24.18	20.42	20.88	21.49	22.87
February .....	22.54	19.75	21.72	19.11	23.26	18.33	24.33	17.58	18.34	19.19	20.59
March .....	20.32	18.44	20.39	17.43	20.58	18.04	23.59	16.57	18.13	18.05	18.83
April .....	18.66	17.25	18.76	16.60	19.27	17.56	18.80	16.05	17.39	17.46	17.57
May .....	19.58	17.47	18.76	17.59	19.87	17.10	20.04	16.42	17.08	17.58	18.15
June .....	19.33	16.31	17.74	16.24	19.57	16.93	19.54	15.70	16.85	17.01	17.24
July .....	18.59	16.61	18.57	16.50	20.02	17.02	18.59	15.99	16.82	17.12	17.40
August .....	19.14	17.16	18.98	16.84	20.01	18.33	19.33	16.23	18.05	17.80	17.76
September .....	19.50	16.97	19.36	16.69	20.35	18.02	19.56	16.14	17.86	17.86	17.84
October .....	20.83	18.33	20.45	18.11	21.14	17.10	18.85	16.76	17.35	17.79	19.19
November .....	19.64	16.78	19.28	16.84	20.55	15.43	19.93	15.41	15.75	16.63	17.99
December .....	18.24	15.13	18.12	14.45	19.03	14.79	18.61	13.42	15.06	15.01	16.30
<b>1997</b> .....	<b>20.24</b>	<b>17.63</b>	<b>19.71</b>	<b>17.30</b>	<b>20.64</b>	<b>17.52</b>	<b>20.64</b>	<b>16.35</b>	<b>17.44</b>	<b>17.73</b>	<b>18.45</b>
<b>1998</b> .....	<b>13.37</b>	<b>11.62</b>	<b>13.26</b>	<b>11.04</b>	<b>14.14</b>	<b>11.16</b>	<b>13.55</b>	<b>10.16</b>	<b>11.18</b>	<b>11.46</b>	<b>12.22</b>
January .....	16.15	13.25	16.39	12.67	16.98	13.41	W	12.26	13.48	13.89	14.30
February .....	14.57	12.18	15.37	12.11	15.30	13.05	15.63	11.17	13.01	12.93	13.24
March .....	14.06	11.58	13.84	10.37	14.71	12.31	14.82	10.66	12.40	12.45	12.36
April .....	14.16	11.58	14.07	11.37	14.67	11.45	15.19	11.23	11.63	12.04	12.58
May .....	15.16	11.47	13.53	11.48	14.91	10.83	14.52	10.64	10.85	11.75	12.73
June .....	12.98	10.73	12.45	10.52	13.31	10.66	12.58	9.93	10.64	11.07	11.41
July .....	12.44	11.28	12.73	10.95	12.88	11.02	W	9.78	10.94	11.06	11.74
August .....	12.65	11.16	12.84	10.34	13.20	11.29	12.89	9.33	11.22	11.06	11.61
September .....	13.59	12.75	13.79	11.60	14.60	11.71	13.43	11.12	11.76	12.07	12.83
October .....	12.87	12.53	13.81	11.58	13.97	10.64	13.14	10.32	11.19	11.34	12.63
November .....	11.88	10.97	11.81	10.22	12.03	9.81	12.96	7.83	10.04	9.73	11.20
December .....	10.48	9.90	10.05	8.31	11.21	8.94	10.89	7.63	9.00	8.87	9.77
<b>1998</b> .....	<b>13.37</b>	<b>11.62</b>	<b>13.26</b>	<b>11.04</b>	<b>14.14</b>	<b>11.16</b>	<b>13.55</b>	<b>10.16</b>	<b>11.18</b>	<b>11.46</b>	<b>12.22</b>
<b>1999</b> .....	<b>11.77</b>	<b>10.66</b>	<b>11.49</b>	<b>9.26</b>	<b>11.45</b>	<b>10.03</b>	<b>11.34</b>	<b>7.77</b>	<b>9.95</b>	<b>9.68</b>	<b>10.67</b>
January .....	11.77	10.66	11.49	9.26	11.45	10.03	11.34	7.77	9.95	9.68	10.67
February .....	11.33	10.98	11.15	8.96	11.37	12.04	11.47	8.13	11.55	10.73	10.52
March .....	13.42	12.79	13.83	11.27	13.88	14.16	11.76	11.60	13.76	13.22	12.58
April .....	16.06	15.21	16.62	14.30	15.72	15.24	15.39	13.76	15.10	14.86	15.29
May .....	16.25	15.86	16.28	14.54	16.40	16.29	16.24	13.54	15.95	15.38	15.66
June .....	16.66	15.69	16.69	14.81	16.89	17.27	16.78	14.92	16.89	16.31	15.92
July .....	20.01	17.81	18.78	17.34	19.16	18.90	18.00	16.96	18.33	18.09	18.18
August .....	21.26	19.22	20.43	19.10	20.84	19.94	20.12	18.55	19.90	19.72	19.80
September .....	22.82	21.63	23.10	21.06	23.01	21.40	22.81	20.45	21.19	21.28	22.11
October .....	22.52	21.94	22.84	20.42	23.30	21.83	22.06	19.95	21.61	21.43	21.89
November .....	W	22.03	24.89	22.42	23.81	22.52	23.45	21.16	22.63	22.35	22.94

Dash (—) = No data reported.

W = Withheld to avoid disclosure of individual company data.

<sup>a</sup> Includes Bahrain, Iran, Iraq, Kuwait, Neutral Zone, Qatar, Saudi Arabia, and United Arab Emirates.

<sup>b</sup> Includes Algeria, Indonesia, Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, United Arab Emirates and Venezuela. In addition, it included Ecuador in 1978 through 1992 and Gabon in 1978 through 1995.

Notes: Values through 1980 reflect the month of reporting; values since then reflect the month of acquisition, which can be the month of loading, the month of landing, or sometime between those events. Prices for crude oil can be determined at a time other than the acquisition date. See the Explanatory Notes section for additional detail.

Notes: Values for the current 2 months are preliminary. Values shown for previous months are revised. Data are final upon publication in the *Petroleum Marketing Annual*.

Sources: Energy Information Administration, Form FEA-F701-M-0, "Transfer Pricing Report," January 1978 through December 1978; Form ERA-51, "Transfer Pricing Report," January 1979 through September 1982; Form EP-51, "Monthly Foreign Crude Oil Transaction Report," October 1982 through June 1984; Form EIA-856, "Monthly Foreign Crude Oil Acquisition Report," July 1984 to present.

**Table 26. F.O.B.<sup>a</sup> Costs of Imported Crude Oil by API Gravity**

(Dollars per Barrel)

Year Month	20.0 or Less	20.1 to 25.0	25.1 to 30.0	30.1 to 35.0	35.1 to 40.0	40.1 to 45.0	45.1 or Greater
1978 .....	11.98	11.74	12.51	13.06	13.62	14.00	14.01
1979 .....	14.43	18.54	19.91	19.54	21.24	21.65	19.77
1980 .....	23.09	28.76	30.72	30.31	34.33	35.39	36.13
1981 .....	26.70	31.20	33.61	34.38	36.85	38.42	38.59
1982 .....	23.08	25.82	31.48	33.56	34.29	34.82	34.48
1983 .....	21.77	24.27	27.38	29.04	29.74	30.10	30.12
1984 .....	24.10	25.31	27.22	28.55	29.18	29.40	28.02
1985 .....	23.45	24.27	24.86	26.46	27.43	27.79	26.90
1986 .....	10.51	10.96	12.25	12.83	13.83	14.19	13.76
1987 .....	15.21	15.37	15.76	17.24	17.99	18.03	17.37
1988 .....	11.92	11.65	12.48	13.82	14.38	14.89	15.25
1989 .....	14.00	14.89	16.95	17.50	18.09	18.23	18.05
1990 .....	15.98	18.00	20.54	20.77	22.19	22.78	22.28
1991 .....	11.91	13.72	16.33	17.67	20.15	19.69	20.85
1992 .....	11.83	13.96	16.74	18.02	19.50	19.58	20.05
1993 .....	11.33	12.22	15.14	15.44	17.04	17.53	17.61
1994 .....	11.43	12.19	14.45	14.93	15.91	15.70	16.11
1995 .....	13.35	13.93	16.14	16.19	17.25	17.30	17.32
1996 .....	16.01	17.26	19.90	20.04	21.20	21.00	21.59
1997 .....							
January .....	16.99	18.37	22.62	21.89	24.21	22.07	22.08
February .....	13.75	16.25	20.15	19.27	21.61	21.61	W
March .....	13.39	14.96	17.91	17.53	19.58	21.01	19.69
April .....	13.11	14.50	16.31	16.90	18.08	W	20.51
May .....	13.17	15.29	17.01	17.33	19.10	18.71	W
June .....	13.10	14.24	15.91	16.44	18.03	18.86	18.12
July .....	13.50	14.77	16.82	17.06	18.45	—	18.71
August .....	13.26	15.04	16.77	17.55	18.82	19.00	18.93
September .....	13.39	14.84	17.31	17.68	18.79	19.09	19.07
October .....	13.13	15.52	17.28	18.14	19.94	20.67	W
November .....	11.72	14.16	16.45	17.01	19.05	18.14	W
December .....	9.63	11.99	15.18	15.29	17.14	17.17	W
1997 .....	13.12	14.94	17.49	17.61	19.37	19.88	19.77
1998 .....							
January .....	8.33	10.13	13.32	14.32	15.30	15.36	—
February .....	7.39	9.41	11.83	12.98	14.11	14.82	W
March .....	7.50	8.68	11.82	12.32	13.44	14.02	W
April .....	8.08	9.42	10.77	12.55	13.58	14.19	—
May .....	7.37	9.29	10.12	12.69	13.71	14.29	13.72
June .....	7.22	8.56	10.36	10.66	12.07	12.72	11.86
July .....	6.99	8.90	10.07	11.28	12.36	12.71	12.89
August .....	6.12	8.65	9.66	11.37	12.03	12.54	12.22
September .....	8.12	9.91	11.98	12.78	13.38	14.20	W
October .....	7.66	9.53	10.57	11.78	12.99	12.36	13.55
November .....	4.60	7.99	9.56	10.18	11.48	11.23	11.79
December .....	4.55	6.71	7.86	9.03	9.93	10.03	W
1998 .....	7.00	8.95	10.77	11.73	12.91	13.12	12.92
1999 .....							
January .....	4.70	7.40	9.07	10.04	11.20	11.24	W
February .....	5.67	7.55	9.21	10.47	10.60	11.61	W
March .....	9.20	10.40	12.48	12.72	12.90	13.62	W
April .....	10.53	12.68	14.47	14.48	15.75	16.24	15.31
May .....	9.58	12.85	14.87	15.04	16.06	16.27	W
June .....	11.60	13.50	15.40	15.81	16.48	16.55	16.05
July .....	13.86	15.62	17.45	18.14	18.51	18.55	17.93
August .....	15.57	17.40	19.41	19.69	20.44	19.61	W
September .....	17.10	19.11	21.22	21.40	22.65	22.71	W
October .....	16.63	18.37	20.64	21.55	22.14	22.75	22.74
November .....	18.08	19.61	22.99	22.82	24.68	24.45	—

Dash (—) = No data reported.

W = Withheld to avoid disclosure of individual company data.

<sup>a</sup> Free on Board. See Glossary.

Notes: Values through 1980 reflect the month of reporting; values since then reflect the month of acquisition, which can be the month of loading, the month of landing, or sometime between those events. Prices for crude oil can be determined at a time other than the acquisition date. See the Explanatory Notes section for additional detail.

Notes: Values for the current 2 months are preliminary. Values shown for previous months are revised. Data are final upon publication in the *Petroleum Marketing Annual*.

Sources: Energy Information Administration, Form FEA-F701-M-0, "Transfer Pricing Report," January 1978 through December 1978; Form ERA-51, "Transfer Pricing Report," January 1979 through September 1982; Form EP-51, "Monthly Foreign Crude Oil Transaction Report," October 1982 through June 1984; Form EIA-856, "Monthly Foreign Crude Oil Acquisition Report," July 1984 to present.



**Table 27. Landed Costs of Imported Crude Oil by API Gravity**

(Dollars per Barrel)

Year Month	20.0 or Less	20.1 to 25.0	25.1 to 30.0	30.1 to 35.0	35.1 to 40.0	40.1 to 45.0	45.1 or Greater
<b>1978</b> .....	12.75	13.11	13.76	14.10	14.69	14.87	15.16
<b>1979</b> .....	15.57	20.05	20.88	21.01	22.61	23.06	21.23
<b>1980</b> .....	24.54	29.65	31.83	31.73	35.81	36.85	37.57
<b>1981</b> .....	27.94	32.00	34.86	35.71	38.36	39.78	39.97
<b>1982</b> .....	24.17	26.46	32.62	34.76	35.43	35.78	35.81
<b>1983</b> .....	23.17	24.95	28.62	30.25	30.96	31.28	31.27
<b>1984</b> .....	25.08	25.97	28.38	29.58	30.16	30.16	29.05
<b>1985</b> .....	24.33	24.65	26.17	27.10	28.29	28.39	27.73
<b>1986</b> .....	11.30	11.49	13.28	13.59	14.99	14.80	15.37
<b>1987</b> .....	16.14	15.87	17.21	18.16	18.72	18.89	18.57
<b>1988</b> .....	12.75	12.11	13.54	14.35	15.21	15.74	16.24
<b>1989</b> .....	14.90	15.42	17.59	17.87	18.74	19.05	19.13
<b>1990</b> .....	16.82	18.54	21.59	21.18	22.47	23.47	23.41
<b>1991</b> .....	13.06	14.41	17.17	18.65	20.86	20.88	22.15
<b>1992</b> .....	12.89	14.58	17.39	18.50	20.11	20.55	20.95
<b>1993</b> .....	12.44	12.96	15.72	16.06	17.88	18.38	18.22
<b>1994</b> .....	12.42	12.93	15.10	15.61	16.65	16.64	16.91
<b>1995</b> .....	14.43	14.81	16.84	17.13	17.96	18.17	17.90
<b>1996</b> .....	17.18	18.11	20.53	20.87	21.74	21.71	22.28
<b>1997</b> .....							
January .....	18.57	19.34	23.73	22.13	24.80	23.89	23.89
February .....	14.79	17.00	21.18	19.69	22.81	22.74	24.44
March .....	14.56	16.06	18.91	18.55	20.83	22.05	21.22
April .....	14.58	15.28	17.72	17.89	19.25	21.09	21.01
May .....	14.64	16.08	17.91	18.07	19.96	20.17	20.63
June .....	14.37	15.00	17.20	17.32	19.16	20.27	19.03
July .....	14.65	15.42	17.64	17.60	19.05	19.96	19.40
August .....	14.49	15.72	17.81	18.50	19.58	20.23	20.13
September .....	14.64	15.55	18.10	18.56	19.80	20.01	20.09
October .....	14.35	16.51	18.64	18.89	20.67	21.59	21.42
November .....	13.32	14.96	17.93	17.62	19.89	20.11	21.34
December .....	10.74	13.03	16.48	16.32	18.28	18.42	19.17
<b>1997</b> .....	<b>14.42</b>	<b>15.79</b>	<b>18.57</b>	<b>18.42</b>	<b>20.34</b>	<b>21.09</b>	<b>20.85</b>
<b>1998</b> .....							
January .....	9.77	11.04	14.87	14.99	16.33	17.19	17.27
February .....	8.64	10.02	13.58	13.91	15.11	16.01	16.39
March .....	8.63	9.37	13.03	13.37	14.33	15.09	14.68
April .....	9.23	9.96	12.18	13.07	14.51	14.91	14.88
May .....	8.39	9.78	11.71	12.82	14.33	14.70	14.66
June .....	8.26	9.28	11.46	11.62	13.06	13.42	13.06
July .....	8.12	9.64	11.12	11.82	13.12	13.58	14.02
August .....	7.21	9.49	10.97	11.91	12.81	13.50	13.51
September .....	9.42	10.85	12.21	12.80	13.95	15.36	14.80
October .....	8.95	10.60	11.82	12.16	13.58	13.21	14.66
November .....	5.71	8.79	10.37	10.82	12.32	12.64	12.67
December .....	5.65	7.71	8.94	9.84	10.62	11.24	12.24
<b>1998</b> .....	<b>8.19</b>	<b>9.73</b>	<b>11.81</b>	<b>12.31</b>	<b>13.73</b>	<b>14.40</b>	<b>14.38</b>
<b>1999</b> .....							
January .....	5.69	8.38	9.71	10.72	11.62	12.08	12.20
February .....	6.61	8.63	9.91	11.60	11.51	12.23	11.90
March .....	10.06	11.24	12.81	13.77	13.28	14.28	14.95
April .....	11.66	13.46	15.09	15.40	16.08	16.93	16.53
May .....	10.87	13.66	15.50	16.02	16.63	16.69	17.33
June .....	12.93	14.23	16.18	16.83	16.82	17.21	16.56
July .....	15.04	16.39	18.19	18.70	18.82	19.51	19.10
August .....	16.75	17.92	19.57	20.18	20.87	20.58	21.45
September .....	18.31	19.97	21.69	21.74	23.02	23.32	23.80
October .....	17.84	19.49	21.58	22.19	22.78	23.28	23.81
November .....	18.88	20.22	23.13	23.43	24.58	24.88	23.96

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**Table 28. Percentages of Total Imported Crude Oil by API Gravity**

(Percent by Interval)

Year Month	20.0 or Less	20.1 to 25.0	25.1 to 30.0	30.1 to 35.0	35.1 to 40.0	40.1 to 45.0	45.1 or Greater
1978 .....	1.26	3.57	7.93	38.79	31.66	13.48	3.31
1979 .....	1.65	3.96	8.45	38.98	30.64	13.36	2.96
1980 .....	1.70	6.18	9.25	38.43	27.02	13.56	3.85
1981 .....	2.19	8.88	9.46	37.37	26.60	12.53	2.98
1982 .....	3.39	14.90	11.72	35.58	23.76	8.44	2.20
1983 .....	3.91	20.40	15.14	24.95	23.63	7.74	4.23
1984 .....	6.48	20.52	11.59	21.05	25.75	8.12	6.48
1985 .....	7.62	20.46	11.19	27.14	24.93	4.02	4.65
1986 .....	5.54	19.36	14.12	27.49	25.74	3.65	4.11
1987 .....	4.04	19.68	16.88	26.91	24.79	3.87	3.85
1988 .....	3.52	18.27	15.99	30.72	24.45	4.04	3.02
1989 .....	2.55	14.39	16.80	36.27	23.79	3.55	2.64
1990 .....	3.64	14.96	18.13	34.44	23.21	2.94	2.67
1991 .....	3.76	16.02	20.79	34.84	20.94	2.11	1.55
1992 .....	4.05	17.64	22.41	31.38	20.49	3.00	1.04
1993 .....	4.52	18.79	19.24	32.49	20.99	2.59	1.39
1994 .....	3.80	18.98	18.46	30.77	23.37	2.75	1.87
1995 .....	4.52	18.38	17.04	31.51	23.81	2.98	1.76
1996 .....	4.58	20.88	14.69	32.92	23.51	1.95	1.47
1997 .....							
January .....	4.81	21.56	12.96	34.96	21.61	2.76	1.34
February .....	4.66	22.18	15.45	29.96	24.56	2.33	0.86
March .....	5.24	21.60	12.11	36.02	21.09	2.14	1.80
April .....	6.80	20.41	14.34	32.48	22.99	1.79	1.20
May .....	6.62	21.61	13.24	33.72	21.18	2.58	1.05
June .....	5.61	21.19	14.03	34.45	21.17	2.02	1.54
July .....	7.08	22.27	14.68	32.31	21.71	0.86	1.09
August .....	6.24	23.33	11.33	36.18	20.93	0.81	1.19
September .....	6.20	23.75	11.30	35.13	20.15	1.58	1.89
October .....	6.93	19.41	14.15	36.46	20.45	1.20	1.40
November .....	6.35	21.54	13.00	36.42	20.16	1.69	0.85
December .....	5.69	23.46	14.04	34.22	20.02	1.64	0.92
1997 .....	6.05	21.88	13.33	34.43	21.28	1.77	1.27
1998 .....							
January .....	5.17	24.45	13.19	30.90	22.30	3.08	0.91
February .....	5.76	22.27	14.02	29.24	24.35	2.06	2.30
March .....	6.88	21.12	14.05	34.06	20.89	2.10	0.89
April .....	6.70	21.71	17.53	30.78	20.20	1.89	1.19
May .....	4.87	20.34	14.47	32.73	23.37	2.28	1.95
June .....	5.66	20.67	14.58	36.82	20.08	0.98	1.22
July .....	5.91	18.04	14.65	39.69	17.80	2.19	1.70
August .....	5.01	19.00	13.41	39.86	18.84	1.58	2.30
September .....	5.87	20.51	11.47	38.97	19.75	1.55	1.89
October .....	6.97	18.31	11.80	38.98	21.02	1.28	1.64
November .....	5.68	19.24	15.59	33.25	23.69	0.63	1.90
December .....	5.65	18.38	13.01	41.26	17.97	2.79	0.95
1998 .....	5.84	20.29	13.99	35.62	20.81	1.88	1.57
1999 .....							
January .....	5.23	17.99	11.73	41.11	18.86	3.48	1.60
February .....	4.57	17.84	12.52	37.23	23.73	2.28	1.83
March .....	6.19	16.69	13.60	37.97	20.71	3.26	1.57
April .....	5.78	15.73	14.59	35.09	23.29	3.29	2.23
May .....	4.17	17.04	13.28	37.97	22.07	3.40	2.07
June .....	4.66	17.77	14.46	35.84	21.54	4.15	1.59
July .....	5.39	15.77	12.84	40.34	20.47	3.91	1.27
August .....	4.17	16.46	15.42	36.01	23.21	3.05	1.68
September .....	3.72	16.00	14.61	37.53	23.29	3.66	1.19
October .....	3.35	18.52	12.93	35.13	24.12	3.99	1.96
November .....	6.08	21.42	17.54	31.51	18.33	3.93	1.20

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**Table 29. F.O.B.<sup>a</sup> Costs of Imported Crude Oil for Selected Crude Streams**  
(Dollars per Barrel)

Year Quarter Month	Angolan Cabinda	Canadian Bow River	Canadian Lloydminster	Ecuadorian Oriente	Gabon Rabi-Kouanga
1978 Average .....	13.32	—	—	12.87	—
1979 Average .....	20.35	—	—	27.59	—
1980 Average .....	33.24	—	W	34.51	—
1981 Average .....	35.55	W	W	32.66	—
1982 Average .....	31.86	W	W	32.36	—
1983 Average .....	28.14	W	24.54	28.22	—
1984 Average .....	27.58	W	24.70	28.16	—
1985 Average .....	26.30	24.55	23.79	26.12	—
1986 Average .....	13.39	11.47	12.77	13.32	—
1987 Average .....	17.31	15.63	15.12	16.53	—
1988 Average .....	14.52	11.82	11.28	12.96	—
1989 Average .....	17.15	14.94	W	16.26	—
1990 Average .....	W	18.57	18.50	W	—
1991 Average .....	W	13.44	13.51	16.04	18.21
1992 Average .....	18.46	14.04	W	17.60	19.01
1993 Average .....	15.65	12.76	W	14.57	16.56
1994 Average .....	15.15	12.86	W	13.70	15.67
1995 Average .....	16.37	14.70	14.44	16.29	17.08
1996 Average .....	20.44	18.19	17.14	18.84	20.97
1997 Average .....	17.93	15.37	14.29	17.95	18.75
<b>1998</b>					
January .....	13.79	W	10.13	W	14.84
February .....	12.98	W	9.19	W	13.38
March .....	12.04	W	9.02	W	12.90
<b>1st Quarter Average</b> .....	12.76	W	9.49	W	13.63
April .....	12.56	W	8.67	W	12.85
May .....	13.33	W	8.33	W	13.89
June .....	11.11	W	7.80	W	10.85
<b>2nd Quarter Average</b> .....	12.26	W	8.31	W	12.71
July .....	10.91	W	9.21	W	11.63
August .....	10.87	W	8.85	W	11.56
September .....	W	W	10.65	—	13.51
<b>3rd Quarter Average</b> .....	11.29	W	9.57	W	12.28
October .....	11.35	W	10.70	W	11.74
November .....	10.13	W	9.31	—	10.26
December .....	9.12	W	7.62	—	9.65
<b>4th Quarter Average</b> .....	10.06	W	9.32	W	10.56
<b>1998 Average</b> .....	<b>11.59</b>	<b>W</b>	<b>9.18</b>	<b>11.56</b>	<b>12.44</b>
<b>1999</b>					
January .....	10.49	W	W	—	10.57
February .....	9.67	W	9.28	W	9.98
March .....	12.16	W	11.41	W	12.98
<b>1st Quarter Average</b> .....	10.95	W	10.01	W	11.10
April .....	14.71	W	12.78	—	14.59
May .....	W	W	13.69	W	14.54
June .....	15.55	W	W	W	W
<b>2nd Quarter Average</b> .....	15.09	W	13.21	W	14.87
July .....	18.85	W	15.58	W	18.60
August .....	W	W	17.51	—	20.08
September .....	22.39	W	20.09	—	22.49
<b>3rd Quarter Average</b> .....	20.11	W	17.38	W	20.52
October .....	21.40	W	19.28	—	21.86
November .....	—	W	18.77	—	24.31

See footnotes at end of table.

**Table 29. F.O.B.<sup>a</sup> Costs of Imported Crude Oil for Selected Crude Streams**

(Dollars per Barrel) — Continued

Year Quarter Month	Mexican Mayan	Mexican Olmecca	Nigerian Forcados Blend	Venezuelan Furrial	Venezuelan Leona
1978 Average .....	—	—	—	—	—
1979 Average .....	21.50	—	—	—	—
1980 Average .....	28.73	—	—	—	—
1981 Average .....	30.82	—	38.19	—	32.94
1982 Average .....	25.29	—	34.78	—	W
1983 Average .....	23.99	—	29.55	—	W
1984 Average .....	25.35	—	29.04	—	—
1985 Average .....	24.23	—	27.78	—	W
1986 Average .....	10.93	—	14.32	—	11.14
1987 Average .....	15.72	—	18.97	—	16.27
1988 Average .....	11.26	13.63	14.63	—	13.95
1989 Average .....	14.71	18.69	17.87	W	16.01
1990 Average .....	17.29	23.64	21.47	22.48	20.44
1991 Average .....	13.02	20.08	20.09	16.84	15.80
1992 Average .....	13.42	19.55	19.90	16.09	15.65
1993 Average .....	12.03	16.98	17.81	13.78	12.97
1994 Average .....	12.39	16.03	16.52	14.08	12.00
1995 Average .....	14.37	17.32	17.43	15.98	13.58
1996 Average .....	17.43	21.56	21.45	20.42	17.13
1997 Average .....	14.97	19.67	19.68	17.73	14.76
<b>1998</b>					
January .....	9.70	15.51	W	W	10.90
February .....	9.06	14.46	W	W	9.69
March .....	7.79	13.41	W	W	9.83
<b>1st Quarter Average</b> .....	8.82	14.54	W	W	10.23
April .....	9.29	13.78	13.62	12.01	10.27
May .....	9.31	14.12	14.22	11.36	W
June .....	8.47	12.36	11.41	10.67	W
<b>2nd Quarter Average</b> .....	9.03	13.46	13.11	11.35	10.02
July .....	9.16	12.70	W	10.80	8.51
August .....	8.46	12.24	W	W	8.40
September .....	9.57	13.82	W	W	W
<b>3rd Quarter Average</b> .....	9.07	12.93	W	11.05	9.02
October .....	9.60	13.11	W	W	W
November .....	8.21	11.66	W	W	W
December .....	6.37	10.14	—	W	W
<b>4th Quarter Average</b> .....	7.91	11.59	W	W	W
<b>1998 Average</b> .....	<b>8.75</b>	<b>13.14</b>	<b>13.39</b>	<b>11.54</b>	<b>8.96</b>
<b>1999</b>					
January .....	7.37	11.11	W	W	W
February .....	7.15	10.44	—	—	W
March .....	9.99	12.52	W	W	W
<b>1st Quarter Average</b> .....	8.32	11.42	11.63	W	W
April .....	12.66	15.56	—	W	W
May .....	12.75	16.03	W	W	10.92
June .....	13.18	15.96	W	W	13.77
<b>2nd Quarter Average</b> .....	12.86	15.86	15.79	15.28	12.39
July .....	15.40	18.69	—	W	15.91
August .....	17.32	20.27	W	W	17.57
September .....	19.15	22.68	—	W	W
<b>3rd Quarter Average</b> .....	17.49	20.40	W	W	16.86
October .....	18.44	21.98	—	W	17.04
November .....	19.66	24.82	—	W	20.02

Dash (—) = No data reported.

W = Withheld to avoid disclosure of individual company data.

<sup>a</sup> Free on Board. See Glossary.

Notes: Values through 1980 reflect the month of reporting; values since then reflect the month of acquisition, which can be the month of loading, the month of landing, or sometime between those events. Prices for crude oil can be determined at a time other than the acquisition date. See the Explanatory Notes section for additional detail.

Notes: Values for the current 2 months are preliminary. Values shown for previous months are revised. Data are final upon publication in the *Petroleum Marketing Annual*.

Sources: Energy Information Administration, Form FEA-F701-M-0, "Transfer Pricing Report," January 1978 through December 1978; Form ERA-51, "Transfer Pricing Report," January 1979 through September 1982; Form EP-51, "Monthly Foreign Crude Oil Transaction Report," October 1982 through June 1984; Form EIA-856, "Monthly Foreign Crude Oil Acquisition Report," July 1984 to present.

**Table 30. Landed Costs of Imported Crude Oil for Selected Crude Streams**

(Dollars per Barrel)

Year Quarter Month	Angolan Cabinda	Canadian Bow River Heavy	Canadian Lloydminster	Ecuadorian Oriente	Gabon Rabi-Kouanga	Mexican Mayan	Mexican Olmeca
1978 Average .....	14.07	—	—	13.85	—	—	—
1979 Average .....	21.51	—	—	29.17	—	22.23	—
1980 Average .....	34.68	—	W	34.61	—	29.49	—
1981 Average .....	36.84	W	W	33.56	—	31.52	—
1982 Average .....	33.08	28.94	W	32.97	—	25.86	—
1983 Average .....	29.31	25.62	25.27	28.90	—	24.56	—
1984 Average .....	28.63	25.46	25.35	28.79	—	25.84	—
1985 Average .....	27.48	25.42	24.38	26.97	—	24.57	—
1986 Average .....	14.27	12.71	13.52	14.39	—	11.24	—
1987 Average .....	18.43	16.49	15.98	17.60	—	16.03	—
1988 Average .....	14.96	12.68	12.21	13.77	—	11.65	14.07
1989 Average .....	18.15	15.99	15.36	17.69	—	15.14	19.09
1990 Average .....	20.01	19.32	19.55	21.63	—	17.75	23.78
1991 Average .....	18.31	14.31	14.63	17.52	19.51	13.62	20.45
1992 Average .....	19.59	15.01	W	18.52	19.70	13.80	19.91
1993 Average .....	16.95	13.56	13.65	15.79	17.51	12.45	17.43
1994 Average .....	16.07	13.90	13.58	15.24	16.73	12.79	16.54
1995 Average .....	17.31	15.77	15.56	16.84	18.15	14.88	17.80
1996 Average .....	21.56	19.18	18.50	19.91	21.79	17.95	21.89
1997 Average .....	19.47	16.46	15.72	18.06	20.07	15.57	20.05
<b>1998</b>							
January .....	15.18	11.86	11.36	14.31	16.34	10.37	16.01
February .....	14.25	10.79	10.17	13.97	14.77	9.66	14.88
March .....	13.29	10.51	10.15	11.94	14.44	8.21	13.77
<b>1st Quarter</b>							
Average .....	14.04	11.14	10.59	13.35	15.12	9.40	14.94
April .....	13.81	10.25	9.65	12.14	14.28	9.63	14.18
May .....	14.17	10.34	9.42	10.54	15.11	9.61	14.38
June .....	12.46	9.54	9.02	10.74	12.27	8.84	12.79
<b>2nd Quarter</b>							
Average .....	13.39	9.98	9.41	11.03	13.99	9.39	13.81
July .....	12.18	10.00	10.00	10.63	12.67	9.53	13.03
August .....	12.09	10.39	9.74	10.93	12.70	8.87	12.61
September .....	12.77	11.11	11.29	11.71	14.43	9.93	14.01
<b>3rd Quarter</b>							
Average .....	12.36	10.49	10.33	10.99	13.24	9.47	13.25
October .....	12.78	11.15	11.57	12.99	12.75	10.02	13.58
November .....	11.54	10.36	10.24	10.38	11.31	8.53	12.18
December .....	10.08	9.01	8.55	W	10.67	6.73	10.44
<b>4th Quarter</b>							
Average .....	11.51	10.05	10.23	11.51	11.52	8.30	12.00
1998 Average .....	12.69	10.41	10.15	11.55	13.65	9.21	13.58
<b>1999</b>							
January .....	11.55	9.15	9.58	9.24	11.72	7.71	11.39
February .....	10.80	10.07	10.08	9.86	11.19	7.48	10.73
March .....	13.27	11.89	11.55	12.22	14.12	10.32	12.88
<b>1st Quarter</b>							
Average .....	12.02	10.54	10.57	11.00	12.26	8.61	11.67
April .....	15.60	13.95	13.69	15.38	15.78	13.06	15.86
May .....	16.07	15.11	14.54	16.12	15.54	13.10	16.25
June .....	16.57	14.84	14.42	15.94	W	13.54	16.20
<b>2nd Quarter</b>							
Average .....	16.12	14.63	14.21	15.84	15.89	13.23	16.11
July .....	19.94	16.69	16.06	16.72	19.57	15.70	18.90
August .....	20.93	18.21	18.04	18.76	20.85	17.61	20.56
September .....	22.85	20.78	20.23	21.08	23.39	19.49	22.86
<b>3rd Quarter</b>							
Average .....	21.25	18.61	17.86	19.16	21.41	17.72	20.68
October .....	22.33	20.72	20.87	20.84	23.02	18.77	22.31
November .....	—	20.08	19.91	22.08	25.19	19.97	24.88

See footnotes at end of table.

**Table 30. Landed Costs of Imported Crude Oil for Selected Crude Streams**

(Dollars per Barrel) — Continued

Year Quarter Month	Nigerian Bonny Light	Nigerian Forcados Blend	Saudi Arabian Light	Saudi Arabian Medium	United Kingdom Brent	Venezuelan Furrial	Venezuelan Leona
1978 Average .....	15.04	—	14.04	—	—	—	—
1979 Average .....	27.11	—	19.18	—	23.26	—	—
1980 Average .....	38.58	—	29.57	—	34.57	—	—
1981 Average .....	39.25	40.15	34.32	32.74	37.58	—	33.60
1982 Average .....	36.45	35.57	35.65	32.56	34.53	—	W
1983 Average .....	31.06	30.46	30.95	29.16	31.26	—	W
1984 Average .....	30.46	30.11	30.61	29.09	29.89	—	—
1985 Average .....	28.98	28.65	25.35	W	28.49	—	W
1986 Average .....	15.00	14.52	13.06	W	14.64	—	11.80
1987 Average .....	19.26	19.65	17.88	W	18.71	—	16.81
1988 Average .....	16.02	15.41	14.04	13.05	15.84	—	14.50
1989 Average .....	19.38	18.86	17.96	16.83	18.83	16.78	16.68
1990 Average .....	23.21	22.71	22.49	20.98	24.40	23.26	21.28
1991 Average .....	21.57	21.13	18.49	17.04	21.65	17.69	16.40
1992 Average .....	20.85	20.67	18.54	17.14	20.68	16.80	16.21
1993 Average .....	18.75	18.65	16.62	14.86	18.02	14.71	13.76
1994 Average .....	17.23	17.32	15.83	14.81	16.65	14.95	12.81
1995 Average .....	18.35	18.19	17.17	16.54	17.96	16.78	14.40
1996 Average .....	21.69	21.89	20.86	20.12	20.94	21.18	17.99
1997 Average .....	21.21	20.67	18.11	17.10	20.85	18.59	15.83
<b>1998</b>							
January .....	W	16.76	14.64	12.69	W	14.62	11.82
February .....	16.84	15.35	14.04	12.56	W	W	10.53
March .....	14.37	14.82	12.84	12.10	15.27	W	10.81
<b>1st Quarter</b>							
Average .....	15.62	15.53	13.77	12.46	15.71	13.83	11.15
April .....	15.13	14.55	13.33	11.05	15.20	12.80	11.16
May .....	15.07	15.18	12.58	10.68	14.18	11.97	W
June .....	13.42	13.16	11.22	10.57	W	11.29	W
<b>2nd Quarter</b>							
Average .....	14.77	14.31	12.44	10.75	14.37	12.02	10.80
July .....	W	12.49	12.09	10.85	W	11.54	9.29
August .....	13.47	12.95	11.46	11.44	13.17	W	9.16
September .....	14.57	14.48	12.84	11.20	13.52	W	W
<b>3rd Quarter</b>							
Average .....	13.75	13.13	12.15	11.17	13.33	11.75	9.80
October .....	W	14.20	12.63	9.72	13.42	W	W
November .....	11.90	11.68	11.59	9.37	13.37	W	W
December .....	11.03	W	9.68	8.83	W	W	W
<b>4th Quarter</b>							
Average .....	11.82	12.98	11.00	9.26	13.13	W	W
1998 Average .....	13.62	14.35	12.36	10.86	13.94	12.24	9.79
<b>1999</b>							
January .....	11.06	11.69	11.03	9.89	11.34	10.41	W
February .....	W	W	12.37	12.52	11.47	W	W
March .....	13.40	13.84	14.53	14.48	11.90	12.56	11.17
<b>1st Quarter</b>							
Average .....	12.15	12.49	12.56	12.37	11.52	11.42	8.19
April .....	13.78	15.19	16.04	14.97	14.91	15.33	13.17
May .....	16.94	16.44	16.80	16.12	16.76	15.76	11.61
June .....	W	17.18	17.63	17.16	16.84	15.80	14.43
<b>2nd Quarter</b>							
Average .....	15.37	16.18	16.73	16.15	16.16	15.62	13.08
July .....	W	18.89	19.07	19.08	17.73	W	16.73
August .....	W	20.02	19.64	20.53	19.89	19.84	18.44
September .....	22.35	22.35	22.07	21.16	22.79	22.19	18.46
<b>3rd Quarter</b>							
Average .....	21.09	20.40	20.21	20.17	19.79	20.04	17.94
October .....	W	23.37	21.26	22.62	W	W	17.71
November .....	W	23.29	22.96	22.69	W	W	20.66

Dash (—) = No data reported.

W = Withheld to avoid disclosure of individual company data.

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Notes: Values for the current 2 months are preliminary. Values shown for previous months are revised. Data are final upon publication in the *Petroleum Marketing Annual*.

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# **Prices of Petroleum Products**

**Table 31. Motor Gasoline Prices by Grade, Sales Type, PAD District, and State**  
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Regular						Midgrade					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average
<b>United States</b>												
November 1999 .....	83.7	83.5	79.8	72.0	65.5	73.1	92.5	92.2	85.6	75.9	W	80.3
October 1999 .....	82.5	82.2	78.1	67.9	63.1	70.1	91.6	91.2	84.2	71.7	W	77.5
November 1998 .....	58.3	58.0	52.8	42.3	39.4	45.1	68.1	67.6	60.0	46.7	W	53.2
<b>PAD District I</b>												
November 1999 .....	82.9	82.4	79.5	71.5	66.0	73.1	91.7	91.2	86.3	75.7	NA	80.5
October 1999 .....	82.1	81.4	77.7	67.1	64.3	69.9	90.9	90.2	84.5	71.2	NA	77.5
November 1998 .....	57.0	56.6	50.7	41.6	39.7	44.6	66.7	66.1	58.2	45.7	—	52.0
<b>Subdistrict IA</b>												
November 1999 .....	91.0	90.4	82.7	73.0	69.0	76.3	99.8	99.0	89.4	76.6	—	83.7
October 1999 .....	90.8	90.1	81.3	70.1	67.5	73.8	99.3	98.3	88.8	73.4	—	81.8
November 1998 .....	61.7	61.1	54.7	45.9	42.6	49.0	71.8	71.1	62.6	49.3	—	57.1
<b>Connecticut</b>												
November 1999 .....	89.9	89.2	84.0	73.2	70.5	76.6	99.4	97.2	89.9	76.3	—	83.6
October 1999 .....	89.4	88.7	83.8	70.3	69.2	74.2	98.6	96.1	89.5	72.9	—	81.7
November 1998 .....	61.3	61.0	54.6	45.6	W	49.9	71.5	69.6	61.4	50.1	—	57.1
<b>Maine</b>												
November 1999 .....	96.0	95.7	82.6	73.0	W	75.1	105.9	105.0	89.1	77.2	—	80.4
October 1999 .....	97.0	96.6	80.8	70.1	—	72.8	106.7	105.8	87.0	74.0	—	78.1
November 1998 .....	65.0	64.8	55.0	46.1	W	47.3	76.1	75.4	62.2	49.4	—	54.4
<b>Massachusetts</b>												
November 1999 .....	90.1	89.4	81.9	72.2	W	75.5	99.1	98.8	89.6	76.2	—	84.4
October 1999 .....	89.6	88.7	80.0	69.6	W	73.1	97.9	97.7	89.0	73.3	—	82.9
November 1998 .....	60.6	59.4	54.3	45.6	43.5	48.6	70.8	70.7	63.6	49.0	—	58.0
<b>New Hampshire</b>												
November 1999 .....	91.4	91.2	83.6	72.8	W	78.5	100.7	100.4	88.8	76.1	—	84.7
October 1999 .....	91.6	91.3	81.8	69.0	W	75.3	100.7	100.4	87.4	72.4	—	82.1
November 1998 .....	62.7	62.6	56.2	45.4	—	51.6	73.1	72.7	62.6	48.3	—	58.4
<b>Rhode Island</b>												
November 1999 .....	86.0	85.5	79.7	75.5	—	77.0	94.2	94.0	85.4	77.3	—	81.6
October 1999 .....	85.1	84.4	80.1	72.1	W	74.2	93.2	92.9	85.4	74.3	—	80.0
November 1998 .....	56.7	56.6	54.5	47.0	W	48.6	66.3	66.0	61.3	48.2	—	54.5
<b>Vermont</b>												
November 1999 .....	91.8	91.3	86.2	74.6	—	81.8	100.4	99.3	92.8	NA	—	88.4
October 1999 .....	92.1	91.1	83.9	70.7	—	79.0	100.3	98.8	91.0	74.3	—	86.0
November 1998 .....	62.7	62.9	56.6	45.2	—	52.9	71.5	71.2	65.1	50.1	—	60.9
<b>Subdistrict IB</b>												
November 1999 .....	85.8	84.8	80.5	72.3	65.6	73.0	93.7	92.8	87.7	76.5	NA	83.3
October 1999 .....	85.6	84.2	79.7	69.2	63.7	71.3	93.3	92.2	87.1	73.6	NA	81.9
November 1998 .....	57.9	57.7	53.4	43.7	39.1	45.8	66.5	66.0	60.0	48.5	—	55.7
<b>Delaware</b>												
November 1999 .....	86.6	83.7	79.8	71.7	—	74.4	96.7	94.6	87.2	75.7	—	80.6
October 1999 .....	86.2	82.9	78.7	69.5	—	72.9	96.4	94.3	85.1	73.4	—	78.8
November 1998 .....	58.1	57.5	53.4	44.9	—	48.8	69.1	68.2	60.4	48.4	—	54.7
<b>District of Columbia</b>												
November 1999 .....	W	80.4	84.0	—	—	84.0	W	93.2	89.4	—	—	89.4
October 1999 .....	W	78.2	83.5	—	—	83.5	W	89.1	89.0	—	—	89.0
November 1998 .....	W	53.6	58.3	—	—	58.3	W	64.7	NA	—	—	NA
<b>Maryland</b>												
November 1999 .....	83.3	80.9	79.6	72.5	—	76.5	92.5	89.6	86.4	76.8	—	83.2
October 1999 .....	81.8	79.1	78.8	69.6	—	74.8	90.9	88.0	85.9	74.3	—	81.9
November 1998 .....	57.4	56.5	54.3	43.0	W	49.5	67.4	65.9	60.6	47.7	—	56.9
<b>New Jersey</b>												
November 1999 .....	89.8	86.3	81.9	72.3	65.6	70.5	99.9	98.5	89.4	78.2	—	85.5
October 1999 .....	89.3	85.4	81.2	69.2	64.1	69.3	99.3	97.8	88.7	75.5	—	84.0
November 1998 .....	62.2	62.1	56.8	45.3	39.2	44.3	72.8	72.7	62.7	50.0	—	58.0
<b>New York</b>												
November 1999 .....	88.9	88.1	82.6	73.5	64.7	76.0	97.9	96.5	91.1	77.1	NA	86.5
October 1999 .....	88.5	87.7	82.3	70.1	64.0	74.6	96.8	95.2	91.8	74.1	NA	86.2
November 1998 .....	60.4	59.7	54.5	44.4	39.6	48.0	69.8	67.9	62.7	49.6	—	58.8
<b>Pennsylvania</b>												
November 1999 .....	82.5	82.3	77.1	71.3	NA	72.3	90.1	89.9	NA	75.2	—	79.0
October 1999 .....	82.6	82.2	75.9	68.3	NA	69.6	90.2	89.8	81.2	71.8	—	76.5
November 1998 .....	55.0	55.1	48.5	42.6	37.8	44.1	63.4	63.5	54.2	47.4	—	50.9

See footnotes at end of table.



**Table 31. Motor Gasoline Prices by Grade, Sales Type, PAD District, and State**  
(Cents per Gallon Excluding Taxes) — Continued

Geographic Area Month	Premium						All Grades					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average
<b>United States</b>												
November 1999 .....	100.7	99.7	93.7	81.4	69.3	84.5	87.3	86.9	83.2	73.7	66.0	75.5
October 1999 .....	99.6	98.6	92.4	77.3	66.9	81.6	86.1	85.7	81.5	69.6	63.7	72.5
November 1998 .....	75.9	75.0	66.1	51.5	43.3	56.7	62.5	62.1	56.6	44.3	39.8	47.9
<b>PAD District I</b>												
November 1999 .....	100.0	98.6	93.4	80.7	69.6	84.5	87.1	86.4	83.7	73.6	66.6	76.1
October 1999 .....	99.0	97.6	92.3	76.5	68.6	82.2	86.2	85.4	82.0	69.2	64.9	73.0
November 1998 .....	75.1	74.1	63.9	50.7	43.4	56.4	62.1	61.6	55.1	43.9	40.2	47.9
<b>Subdistrict IA</b>												
November 1999 .....	107.0	105.3	93.8	81.7	69.5	85.3	94.1	93.4	85.4	74.6	69.1	78.3
October 1999 .....	106.2	104.5	92.5	78.8	68.8	83.4	93.8	93.0	84.0	71.7	67.7	75.9
November 1998 .....	80.4	78.7	67.1	54.2	W	60.1	65.9	65.2	58.0	47.7	42.9	51.6
<b>Connecticut</b>												
November 1999 .....	106.8	104.9	95.6	82.2	69.7	86.1	93.7	92.8	87.2	75.1	70.4	79.1
October 1999 .....	105.9	104.1	95.3	79.4	71.4	84.6	93.1	92.0	86.9	72.1	69.5	76.7
November 1998 .....	81.3	80.1	68.2	55.2	—	61.9	66.3	65.7	57.8	47.9	W	52.8
<b>Maine</b>												
November 1999 .....	114.2	113.1	94.0	81.8	—	84.3	98.5	98.1	84.1	74.2	W	76.4
October 1999 .....	115.1	113.3	90.5	79.0	W	NA	99.5	99.0	82.2	71.3	W	73.8
November 1998 .....	85.0	84.2	67.2	53.9	—	57.8	68.8	68.5	57.5	47.4	W	49.0
<b>Massachusetts</b>												
November 1999 .....	106.2	104.2	92.6	80.9	W	84.1	93.5	92.7	84.7	73.9	W	77.6
October 1999 .....	104.9	102.9	91.1	78.0	W	83.0	92.8	91.9	83.0	71.3	66.4	75.4
November 1998 .....	78.8	75.9	66.1	53.8	W	59.3	65.0	63.7	57.8	47.7	43.8	51.4
<b>New Hampshire</b>												
November 1999 .....	107.8	107.6	95.1	80.2	W	86.0	94.2	94.0	85.7	73.9	W	80.2
October 1999 .....	107.8	107.7	93.2	76.3	W	83.9	94.4	94.1	84.0	70.1	W	77.0
November 1998 .....	81.9	81.8	68.3	52.7	—	62.4	66.6	66.5	58.9	46.7	—	54.0
<b>Rhode Island</b>												
November 1999 .....	101.0	99.9	92.2	84.0	—	87.1	89.0	88.5	82.7	77.1	—	79.2
October 1999 .....	100.5	99.1	92.4	81.0	—	85.1	88.1	87.5	82.9	73.7	W	76.3
November 1998 .....	74.8	74.5	67.7	53.9	—	58.6	60.8	60.6	58.2	48.5	W	51.1
<b>Vermont</b>												
November 1999 .....	107.8	107.2	96.9	NA	—	92.7	94.6	93.8	88.4	75.7	—	83.8
October 1999 .....	107.4	106.9	94.0	78.5	—	89.3	94.7	93.6	86.0	71.9	—	81.0
November 1998 .....	79.6	79.3	69.0	53.7	—	64.6	66.0	66.0	59.3	46.8	—	55.4
<b>Subdistrict IB</b>												
November 1999 .....	102.0	99.1	95.2	80.4	69.8	85.3	89.5	88.2	85.1	74.1	66.2	76.2
October 1999 .....	101.6	98.8	95.2	77.9	68.4	84.8	89.2	87.7	84.5	71.1	64.3	74.8
November 1998 .....	75.5	74.6	67.5	52.4	42.9	59.2	62.5	62.1	58.3	45.8	39.6	49.5
<b>Delaware</b>												
November 1999 .....	104.0	99.6	92.5	80.5	—	84.8	90.5	87.4	82.8	73.4	—	76.7
October 1999 .....	105.2	100.5	91.6	78.0	—	83.4	90.4	86.9	81.5	71.1	—	75.1
November 1998 .....	77.6	76.4	67.6	53.7	—	60.2	62.9	62.2	57.0	46.9	—	51.6
<b>District of Columbia</b>												
November 1999 .....	W	97.7	95.9	—	—	95.9	W	85.9	89.7	—	—	89.7
October 1999 .....	W	94.1	95.7	—	—	95.7	W	83.0	89.4	—	—	89.4
November 1998 .....	W	68.2	NA	—	—	NA	W	59.5	NA	—	—	NA
<b>Maryland</b>												
November 1999 .....	97.0	92.0	91.8	81.9	—	88.2	87.0	84.2	83.4	74.7	—	79.9
October 1999 .....	96.0	91.1	91.3	79.7	W	86.9	85.5	82.5	82.6	72.0	W	78.3
November 1998 .....	73.4	71.8	64.9	52.6	—	61.1	62.2	61.0	58.1	45.5	W	53.4
<b>New Jersey</b>												
November 1999 .....	106.7	100.8	96.0	79.7	70.5	83.3	94.9	91.1	86.7	74.5	66.2	73.6
October 1999 .....	105.7	99.9	95.6	76.9	70.9	85.2	94.2	90.2	86.1	71.5	64.6	72.8
November 1998 .....	80.9	80.7	70.4	52.3	41.9	58.6	68.4	68.3	61.8	47.5	39.5	47.9
<b>New York</b>												
November 1999 .....	103.6	101.7	98.7	80.8	71.2	89.9	92.3	91.4	88.3	75.0	66.2	80.0
October 1999 .....	103.1	101.7	99.5	78.5	NA	87.9	91.8	90.9	88.4	71.8	66.2	78.8
November 1998 .....	76.6	75.3	69.9	53.1	47.1	62.9	64.7	63.7	60.6	46.3	41.4	52.7
<b>Pennsylvania</b>												
November 1999 .....	98.4	97.2	88.7	80.1	W	80.1	85.9	85.6	79.9	72.9	NA	74.2
October 1999 .....	98.5	97.1	88.1	77.4	NA	78.3	85.9	85.4	78.6	70.0	NA	71.6
November 1998 .....	72.1	71.6	60.4	51.6	42.6	53.6	59.3	59.3	51.7	44.5	39.3	46.7

See footnotes at end of table.

**Table 31. Motor Gasoline Prices by Grade, Sales Type, PAD District, and State**  
(Cents per Gallon Excluding Taxes) — Continued

Geographic Area Month	Regular						Midgrade					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average
<b>Subdistrict IC</b>												
November 1999 .....	79.8	79.6	76.7	70.8	65.5	72.2	89.7	89.3	84.0	75.3	—	78.5
October 1999 .....	78.3	77.9	73.1	65.3	60.7	67.2	88.5	88.1	81.0	70.1	—	74.1
November 1998 .....	55.5	55.0	46.7	39.4	40.1	41.9	65.9	65.4	55.4	44.1	—	48.7
<b>Florida</b>												
November 1999 .....	81.3	80.9	78.3	71.0	W	73.3	91.9	91.5	87.3	75.2	—	80.8
October 1999 .....	80.6	80.0	76.1	65.4	W	68.7	91.8	91.4	85.2	69.8	—	77.1
November 1998 .....	57.3	56.7	49.6	39.6	41.0	42.4	68.9	67.7	57.6	43.8	—	49.7
<b>Georgia</b>												
November 1999 .....	77.8	78.0	73.2	70.3	W	70.9	87.3	87.4	78.5	75.2	—	76.3
October 1999 .....	75.7	75.7	67.8	64.6	W	65.2	85.6	85.5	74.7	69.3	—	71.2
November 1998 .....	53.5	53.4	NA	38.7	W	41.1	63.6	63.5	NA	43.8	—	47.4
<b>North Carolina</b>												
November 1999 .....	78.9	78.5	77.6	70.7	W	72.1	88.6	88.2	85.2	75.4	—	77.9
October 1999 .....	76.9	76.5	72.2	65.0	W	66.4	86.9	86.3	80.3	70.1	—	72.8
November 1998 .....	53.9	53.0	41.7	39.3	W	40.1	64.3	64.0	54.7	44.0	—	47.1
<b>South Carolina</b>												
November 1999 .....	77.3	77.1	72.1	70.7	—	70.9	88.0	87.7	77.7	75.2	—	75.8
October 1999 .....	76.0	75.7	68.3	64.8	—	65.4	86.6	86.3	73.6	69.5	—	70.3
November 1998 .....	52.3	52.2	41.7	39.0	—	39.7	62.2	62.0	47.8	44.0	—	45.2
<b>Virginia</b>												
November 1999 .....	81.6	81.3	78.4	71.1	NA	73.0	90.4	89.8	83.5	75.3	—	78.7
October 1999 .....	80.4	80.0	76.6	66.7	61.1	69.2	89.3	88.7	81.6	71.4	—	75.6
November 1998 .....	57.5	57.3	50.9	40.2	NA	44.8	67.3	66.8	59.0	44.7	—	51.5
<b>West Virginia</b>												
November 1999 .....	83.0	82.8	78.0	72.8	—	75.7	91.9	91.7	83.2	77.1	—	80.8
October 1999 .....	78.2	78.0	73.0	67.6	—	70.3	87.0	86.7	77.9	72.5	—	75.6
November 1998 .....	56.9	56.8	51.8	43.6	—	48.6	65.9	65.7	56.2	49.2	—	53.7
<b>PAD District II</b>												
November 1999 .....	83.2	83.0	78.0	71.6	62.9	72.2	91.3	91.1	84.4	74.9	—	78.2
October 1999 .....	79.9	79.8	73.8	66.2	61.2	67.5	88.0	87.9	81.4	69.5	—	73.8
November 1998 .....	56.5	56.4	48.8	41.1	37.9	42.7	64.8	64.6	55.9	45.7	—	49.9
<b>Illinois</b>												
November 1999 .....	86.4	86.3	83.1	72.8	62.6	73.5	94.9	94.6	90.0	76.4	—	84.7
October 1999 .....	83.3	83.2	82.0	66.5	62.7	69.5	90.7	90.5	89.4	70.1	—	81.8
November 1998 .....	60.6	60.6	54.8	41.9	39.8	44.8	67.4	67.2	60.7	46.2	—	54.6
<b>Indiana</b>												
November 1999 .....	81.3	81.3	78.3	72.1	63.0	72.1	89.8	89.9	83.6	75.0	—	77.9
October 1999 .....	77.4	77.4	74.5	65.1	64.1	67.0	85.9	86.0	79.7	68.0	—	72.0
November 1998 .....	56.6	56.5	49.1	40.5	NA	42.7	65.0	64.7	54.6	44.3	—	48.5
<b>Iowa</b>												
November 1999 .....	78.1	78.6	77.1	69.9	—	70.3	83.4	83.7	77.3	72.5	—	73.2
October 1999 .....	76.6	77.2	73.6	65.9	—	66.4	82.3	82.5	74.6	68.2	—	69.0
November 1998 .....	54.3	54.8	46.6	40.9	—	41.5	61.2	61.4	51.2	47.7	—	48.6
<b>Kansas</b>												
November 1999 .....	78.5	78.5	72.3	68.5	64.9	68.4	85.2	85.1	78.6	72.6	—	74.9
October 1999 .....	77.4	77.4	69.2	64.9	W	64.8	84.0	83.9	77.4	69.1	—	72.4
November 1998 .....	54.5	54.2	46.2	39.6	36.3	39.9	60.2	60.1	NA	43.8	—	46.4
<b>Kentucky</b>												
November 1999 .....	86.3	85.1	78.8	75.0	W	75.4	95.8	95.0	84.3	79.2	—	80.4
October 1999 .....	82.5	81.7	73.7	68.6	W	69.5	91.9	91.1	79.8	73.0	—	74.6
November 1998 .....	56.9	56.3	46.8	41.8	—	43.3	67.3	66.7	52.7	45.9	—	48.2
<b>Michigan</b>												
November 1999 .....	83.6	83.2	75.8	72.5	—	73.5	92.3	92.4	81.1	75.6	—	79.0
October 1999 .....	78.2	78.0	70.4	65.7	W	67.2	87.5	87.8	76.0	68.6	—	73.3
November 1998 .....	55.0	54.8	45.9	41.2	—	43.0	65.3	65.0	52.8	44.2	—	50.3
<b>Minnesota</b>												
November 1999 .....	89.1	89.1	81.7	72.5	W	74.5	93.1	93.0	85.8	73.6	—	75.5
October 1999 .....	87.3	87.2	77.9	69.4	W	71.1	91.3	91.3	81.6	70.3	—	72.2
November 1998 .....	63.1	63.0	53.4	45.0	37.8	46.5	67.2	66.9	NA	47.5	—	49.9
<b>Missouri</b>												
November 1999 .....	79.2	79.2	77.0	70.0	W	71.8	88.6	88.4	88.4	73.1	—	82.5
October 1999 .....	77.6	77.5	72.7	65.8	—	67.7	86.4	85.9	84.5	68.8	—	78.6
November 1998 .....	52.4	52.7	48.3	39.7	—	42.4	60.5	60.4	52.9	45.0	—	49.5

See footnotes at end of table.

**Table 31. Motor Gasoline Prices by Grade, Sales Type, PAD District, and State**  
(Cents per Gallon Excluding Taxes) — Continued

Geographic Area Month	Premium						All Grades					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average
<b>Subdistrict IC</b>												
November 1999 .....	98.2	97.4	90.7	80.7	67.4	83.5	84.6	84.2	81.1	73.2	66.4	75.3
October 1999 .....	96.8	96.0	88.0	75.4	W	79.4	83.1	82.7	77.8	67.7	61.9	70.4
November 1998 .....	74.2	73.2	59.1	49.3	W	53.2	61.1	60.6	50.9	42.1	40.6	45.3
<b>Florida</b>												
November 1999 .....	99.6	99.1	94.0	80.6	W	86.4	86.4	85.9	84.2	73.4	W	77.2
October 1999 .....	98.8	98.3	91.9	75.2	—	82.8	85.8	85.2	82.0	67.7	W	72.9
November 1998 .....	75.6	74.4	63.7	49.4	W	55.6	63.2	62.5	55.5	42.3	41.4	46.7
<b>Georgia</b>												
November 1999 .....	95.6	95.1	83.0	80.2	W	80.5	82.2	82.5	75.8	72.6	W	73.3
October 1999 .....	93.7	93.3	79.6	74.7	W	76.0	80.3	80.3	71.1	66.9	W	67.8
November 1998 .....	72.3	71.9	NA	48.4	—	51.9	58.9	59.0	NA	41.3	W	44.1
<b>North Carolina</b>												
November 1999 .....	97.8	96.9	92.2	81.0	W	83.1	83.7	83.2	81.5	73.2	W	74.9
October 1999 .....	95.8	94.8	87.3	75.1	—	77.7	81.8	81.2	76.3	67.4	W	69.3
November 1998 .....	73.6	72.1	51.7	49.4	W	50.2	60.1	59.1	45.2	42.1	W	43.1
<b>South Carolina</b>												
November 1999 .....	97.3	96.8	84.1	80.8	—	81.4	82.2	81.9	75.1	73.0	—	73.3
October 1999 .....	96.1	95.6	80.0	75.2	—	76.0	80.8	80.4	71.0	67.1	—	67.7
November 1998 .....	71.1	70.4	52.5	49.1	W	50.0	57.6	57.3	44.7	41.6	W	42.5
<b>Virginia</b>												
November 1999 .....	99.3	98.0	90.4	80.7	66.8	83.4	86.1	85.7	82.3	73.4	67.9	75.9
October 1999 .....	98.3	97.1	89.0	76.8	NA	81.1	84.9	84.4	80.5	69.1	NA	72.4
November 1998 .....	75.4	74.8	61.6	50.0	NA	55.7	62.8	62.6	54.6	42.8	NA	48.1
<b>West Virginia</b>												
November 1999 .....	100.0	97.8	88.4	82.7	—	85.7	86.4	86.1	80.3	74.9	—	77.9
October 1999 .....	95.1	92.8	83.6	77.6	—	80.5	81.6	81.2	75.3	69.7	—	72.6
November 1998 .....	74.5	74.1	63.7	54.1	—	60.1	60.9	60.8	54.4	45.9	—	51.2
<b>PAD District II</b>												
November 1999 .....	98.7	98.1	91.2	80.8	67.1	83.3	85.8	85.6	80.6	72.9	63.1	73.9
October 1999 .....	95.8	95.1	87.5	75.2	63.4	78.5	82.6	82.4	76.6	67.5	61.2	69.2
November 1998 .....	72.2	71.7	61.5	50.1	40.0	53.5	59.5	59.3	51.8	42.7	38.0	44.8
<b>Illinois</b>												
November 1999 .....	105.2	104.6	98.5	82.2	W	89.1	89.9	89.7	87.6	74.3	62.6	76.6
October 1999 .....	101.7	101.2	98.5	75.9	W	84.9	86.7	86.5	86.8	67.9	62.9	72.8
November 1998 .....	78.4	77.8	68.1	52.2	W	59.6	64.1	64.0	58.8	43.7	39.9	48.0
<b>Indiana</b>												
November 1999 .....	96.0	95.9	90.4	81.2	67.7	83.1	84.2	84.1	80.9	73.5	63.2	74.0
October 1999 .....	92.3	92.1	87.4	74.5	W	77.5	80.3	80.3	77.2	66.6	63.9	68.8
November 1998 .....	72.7	72.4	61.3	50.2	—	53.9	60.3	60.2	52.0	42.3	NA	45.0
<b>Iowa</b>												
November 1999 .....	88.1	88.2	89.9	78.9	—	80.1	79.3	79.8	78.2	70.7	—	71.3
October 1999 .....	87.0	87.1	85.6	74.5	—	75.9	77.9	78.4	74.9	66.6	—	67.3
November 1998 .....	64.0	64.1	53.7	49.6	—	50.3	55.7	56.2	48.5	42.3	—	43.1
<b>Kansas</b>												
November 1999 .....	91.9	91.7	81.4	75.5	W	76.7	80.1	80.0	73.9	69.3	65.0	69.3
October 1999 .....	89.2	89.1	78.5	72.0	W	72.9	78.9	78.8	70.8	65.6	W	65.7
November 1998 .....	66.5	66.2	54.2	46.5	W	47.3	56.0	55.6	47.5	40.3	36.7	40.7
<b>Kentucky</b>												
November 1999 .....	104.1	100.8	90.2	84.6	W	85.4	89.8	88.5	81.3	76.8	W	77.4
October 1999 .....	100.7	98.5	86.4	78.1	—	79.6	86.2	85.2	76.4	70.4	W	71.5
November 1998 .....	76.3	75.1	58.4	51.6	—	53.8	61.7	60.9	49.8	44.0	—	45.8
<b>Michigan</b>												
November 1999 .....	99.2	98.7	88.5	82.2	—	84.6	85.8	85.5	78.0	73.7	—	75.1
October 1999 .....	93.9	93.5	82.9	75.4	—	78.4	80.5	80.4	72.6	66.9	W	68.9
November 1998 .....	70.3	69.3	58.5	51.2	—	54.3	57.6	57.3	48.5	42.7	—	45.1
<b>Minnesota</b>												
November 1999 .....	101.4	100.9	90.7	79.6	—	82.9	90.4	90.3	82.9	73.2	W	75.2
October 1999 .....	99.6	99.5	87.1	76.6	—	79.7	88.6	88.5	79.1	70.0	W	71.9
November 1998 .....	74.3	74.1	63.3	51.3	W	54.5	64.6	64.4	55.1	45.9	38.5	47.8
<b>Missouri</b>												
November 1999 .....	96.5	96.3	88.9	78.3	—	81.7	81.5	81.5	79.6	71.0	W	73.5
October 1999 .....	94.4	93.0	85.3	74.0	—	77.5	79.9	79.7	75.4	66.8	—	69.3
November 1998 .....	68.9	68.8	59.8	48.0	—	52.2	55.0	55.1	50.3	41.0	—	44.1

See footnotes at end of table.

**Table 31. Motor Gasoline Prices by Grade, Sales Type, PAD District, and State**  
(Cents per Gallon Excluding Taxes) — Continued

Geographic Area Month	Regular						Midgrade					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average
<b>Nebraska</b>												
November 1999 .....	79.1	79.2	75.2	69.3	—	70.0	85.1	85.2	76.6	71.8	—	73.6
October 1999 .....	79.0	79.1	73.5	65.8	—	66.8	83.8	83.6	73.9	68.5	—	70.4
November 1998 .....	56.4	56.9	46.8	40.8	—	41.7	61.5	60.6	58.0	47.4	—	50.3
<b>North Dakota</b>												
November 1999 .....	89.6	86.4	75.9	70.5	—	71.5	97.1	NA	77.9	76.2	—	77.1
October 1999 .....	88.9	85.3	75.3	68.1	—	69.5	96.8	94.7	76.3	73.1	—	75.1
November 1998 .....	66.2	65.7	48.8	42.8	—	43.9	74.6	74.4	NA	50.1	—	51.4
<b>Ohio</b>												
November 1999 .....	87.5	87.0	80.4	73.5	66.3	75.3	97.3	96.3	86.8	76.0	—	79.7
October 1999 .....	79.7	79.5	73.5	66.6	W	68.8	89.6	89.0	80.5	69.6	—	74.4
November 1998 .....	57.2	56.9	50.5	41.9	W	45.1	66.4	66.0	58.0	45.0	—	52.0
<b>Oklahoma</b>												
November 1999 .....	75.5	75.5	70.0	67.6	62.0	65.2	81.3	81.3	76.2	69.3	—	73.7
October 1999 .....	75.7	75.6	67.2	64.0	60.3	62.6	81.6	81.4	73.9	65.6	—	70.2
November 1998 .....	52.3	52.2	42.1	38.9	36.9	38.4	58.5	58.4	48.7	40.2	—	46.0
<b>South Dakota</b>												
November 1999 .....	86.3	86.2	NA	70.5	—	72.4	87.7	88.2	NA	NA	—	NA
October 1999 .....	86.8	86.6	75.5	67.7	—	69.8	89.1	89.4	76.0	NA	—	NA
November 1998 .....	65.0	65.2	49.8	42.4	—	44.3	65.1	65.7	48.3	NA	—	NA
<b>Tennessee</b>												
November 1999 .....	77.0	76.7	72.5	70.7	—	71.0	86.6	87.1	79.7	75.2	—	76.3
October 1999 .....	76.7	76.4	72.2	64.8	—	65.7	86.5	86.7	79.2	69.3	—	71.6
November 1998 .....	51.8	51.6	47.2	39.1	—	40.3	61.8	61.7	57.1	43.8	—	46.6
<b>Wisconsin</b>												
November 1999 .....	85.8	85.6	79.5	72.8	—	74.4	89.7	89.6	86.1	75.1	—	77.4
October 1999 .....	83.0	82.7	73.6	66.8	—	68.4	89.9	89.9	81.8	69.5	—	72.1
November 1998 .....	57.1	57.0	49.0	41.4	—	42.7	64.9	65.1	NA	47.0	—	50.2
<b>PAD District III</b>												
November 1999 .....	79.7	79.8	75.9	70.4	64.0	69.0	89.4	89.1	81.2	74.6	—	76.6
October 1999 .....	79.7	79.8	71.9	66.0	61.0	65.3	89.4	89.1	77.6	69.9	—	72.3
November 1998 .....	54.9	54.5	48.4	39.4	36.6	39.8	66.1	65.6	54.4	43.6	—	46.8
<b>Alabama</b>												
November 1999 .....	79.4	79.3	80.2	70.4	W	72.6	88.6	88.3	88.0	75.1	—	79.6
October 1999 .....	78.6	78.4	73.9	65.4	—	67.5	87.8	87.4	81.4	70.3	—	74.5
November 1998 .....	57.2	56.8	48.0	39.2	W	41.9	66.0	65.2	53.4	43.8	—	47.7
<b>Arkansas</b>												
November 1999 .....	78.8	78.8	72.9	69.9	W	70.0	88.1	88.0	79.8	74.5	—	75.7
October 1999 .....	77.9	77.7	70.1	65.4	W	65.5	86.3	86.1	77.5	69.1	—	71.0
November 1998 .....	52.6	52.2	46.7	39.5	W	40.3	62.7	61.5	49.0	43.4	—	44.7
<b>Louisiana</b>												
November 1999 .....	81.3	80.8	76.2	69.9	63.6	68.8	92.0	91.3	79.5	73.8	—	76.2
October 1999 .....	81.1	80.4	72.0	64.9	60.4	64.6	91.4	90.5	76.2	69.1	—	72.1
November 1998 .....	55.5	54.6	52.9	38.2	36.7	40.0	66.7	65.8	58.9	42.7	—	47.7
<b>Mississippi</b>												
November 1999 .....	79.3	79.2	72.3	70.1	61.1	68.3	89.2	89.1	79.1	74.7	—	75.2
October 1999 .....	80.1	80.0	69.3	64.4	62.8	64.3	89.0	88.7	76.1	69.1	—	69.9
November 1998 .....	58.3	58.1	49.6	38.3	34.8	40.8	68.2	67.9	58.5	42.6	—	48.3
<b>New Mexico</b>												
November 1999 .....	91.9	91.4	79.3	76.6	—	77.0	102.1	101.4	81.9	81.2	—	81.4
October 1999 .....	91.8	91.4	76.2	75.7	—	75.8	102.5	101.7	NA	80.6	—	79.4
November 1998 .....	61.8	61.3	52.3	47.0	—	47.9	70.6	70.2	55.1	51.5	—	52.2
<b>Texas</b>												
November 1999 .....	78.5	78.9	74.7	70.2	64.1	68.2	88.0	87.9	79.2	74.3	—	75.8
October 1999 .....	78.5	78.8	71.2	66.0	61.0	64.6	88.6	88.4	76.5	69.8	—	71.8
November 1998 .....	53.6	53.3	47.2	39.2	36.7	39.0	65.6	65.2	53.2	43.6	—	46.0
<b>PAD District IV</b>												
November 1999 .....	90.3	89.9	81.2	75.9	W	77.0	99.3	99.2	87.0	81.2	—	83.3
October 1999 .....	92.0	91.6	84.9	79.2	W	80.4	102.0	101.7	90.4	84.9	—	86.8
November 1998 .....	65.4	65.1	56.0	50.8	W	52.0	76.5	76.0	61.7	56.1	—	58.4
<b>Colorado</b>												
November 1999 .....	88.0	87.6	79.7	72.3	W	73.8	100.1	100.0	85.7	76.9	—	81.0
October 1999 .....	90.1	89.5	81.5	73.9	W	75.4	102.5	102.2	88.1	78.2	—	82.7
November 1998 .....	64.3	63.6	53.3	45.2	W	46.6	78.1	77.4	59.1	49.6	—	53.2

See footnotes at end of table.

**Table 31. Motor Gasoline Prices by Grade, Sales Type, PAD District, and State**  
(Cents per Gallon Excluding Taxes) — Continued

Geographic Area Month	Premium						All Grades					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average
<b>Nebraska</b>												
November 1999 .....	90.2	90.0	86.8	77.4	—	79.2	80.8	80.8	76.4	69.9	—	70.9
October 1999 .....	90.3	90.2	83.2	74.1	—	75.9	80.4	80.4	74.4	66.4	—	67.6
November 1998 .....	68.2	68.1	NA	48.9	—	50.6	58.0	58.1	49.6	41.9	—	43.2
<b>North Dakota</b>												
November 1999 .....	97.9	NA	86.6	80.0	—	82.5	90.8	87.7	77.2	71.2	—	72.5
October 1999 .....	98.1	NA	85.2	77.6	—	79.8	90.0	86.5	76.1	68.7	—	70.4
November 1998 .....	72.7	72.0	58.1	51.2	—	53.0	67.4	67.0	50.1	43.7	—	44.9
<b>Ohio</b>												
November 1999 .....	104.0	102.7	93.0	82.9	—	86.5	90.5	89.9	82.9	74.9	66.3	77.1
October 1999 .....	97.1	96.2	85.9	76.1	W	79.8	82.9	82.6	76.1	67.9	62.7	70.7
November 1998 .....	74.5	73.7	63.8	51.8	—	57.4	60.9	60.5	53.7	43.5	W	47.6
<b>Oklahoma</b>												
November 1999 .....	88.8	88.5	77.8	75.0	67.1	73.1	77.7	77.6	71.1	68.7	62.3	66.1
October 1999 .....	90.3	89.9	74.8	71.4	W	70.8	77.9	77.8	68.2	65.0	60.3	63.3
November 1998 .....	63.8	63.5	49.5	46.3	NA	45.1	54.8	54.6	43.4	40.2	36.9	39.2
<b>South Dakota</b>												
November 1999 .....	97.7	97.4	NA	79.4	—	80.9	87.1	87.2	NA	71.1	—	72.9
October 1999 .....	99.1	99.1	82.3	77.3	—	78.7	87.8	87.7	75.9	68.2	—	70.3
November 1998 .....	80.5	80.3	56.4	51.6	—	52.9	65.7	66.0	50.1	43.4	—	45.2
<b>Tennessee</b>												
November 1999 .....	94.2	93.8	86.6	80.5	—	81.3	81.4	81.2	76.6	73.1	—	73.6
October 1999 .....	94.8	94.2	85.8	74.8	—	76.4	81.3	81.1	76.1	67.1	—	68.3
November 1998 .....	70.7	70.2	60.1	48.9	—	50.6	57.3	57.1	51.6	41.9	—	43.4
<b>Wisconsin</b>												
November 1999 .....	97.9	97.5	90.8	82.4	—	84.5	87.3	87.1	81.1	73.9	—	75.5
October 1999 .....	95.5	94.9	84.9	76.4	—	78.7	84.6	84.2	75.3	67.9	—	69.6
November 1998 .....	70.0	69.6	59.6	51.1	—	52.9	59.1	59.0	51.1	42.7	—	44.2
<b>PAD District III</b>												
November 1999 .....	97.1	96.8	88.6	80.2	67.0	78.0	83.5	83.5	78.7	72.3	64.4	70.9
October 1999 .....	96.6	96.2	85.3	75.7	64.8	73.3	83.5	83.4	75.0	67.8	61.7	67.1
November 1998 .....	73.0	72.4	60.8	48.9	41.0	49.3	59.6	59.0	51.5	41.5	37.2	42.0
<b>Alabama</b>												
November 1999 .....	97.1	96.5	94.8	80.7	—	84.5	83.5	83.3	84.4	72.9	W	75.7
October 1999 .....	96.1	95.6	87.5	75.9	—	79.3	82.7	82.5	78.1	67.9	—	70.7
November 1998 .....	74.6	73.7	60.7	49.3	—	52.7	62.0	61.5	51.4	41.9	W	45.0
<b>Arkansas</b>												
November 1999 .....	95.6	95.0	85.4	79.3	W	79.8	82.2	82.1	75.6	71.6	W	71.7
October 1999 .....	93.4	92.6	82.5	74.8	W	75.1	81.1	80.9	72.9	67.0	W	67.3
November 1998 .....	70.5	68.9	56.7	49.0	—	50.5	56.4	55.5	48.8	41.5	W	42.4
<b>Louisiana</b>												
November 1999 .....	99.8	98.0	88.6	79.9	65.2	74.8	85.9	85.2	79.4	72.1	64.1	70.8
October 1999 .....	99.4	97.6	86.2	74.9	66.0	71.9	85.6	84.7	75.7	67.0	62.6	67.0
November 1998 .....	74.7	72.5	65.2	48.0	40.0	47.5	61.2	60.1	56.7	40.8	37.7	42.5
<b>Mississippi</b>												
November 1999 .....	98.8	98.6	85.7	80.2	W	78.2	83.8	83.7	75.6	72.3	61.2	70.5
October 1999 .....	96.7	96.3	82.6	74.8	66.8	73.8	84.1	83.8	72.6	66.7	63.4	66.4
November 1998 .....	77.3	76.3	62.7	48.0	W	51.1	63.2	63.0	53.1	40.7	35.6	43.5
<b>New Mexico</b>												
November 1999 .....	109.2	107.7	90.1	86.2	—	86.6	94.8	94.1	80.4	78.1	—	78.4
October 1999 .....	108.4	106.5	86.9	85.4	—	85.6	94.7	94.0	77.2	77.2	—	77.2
November 1998 .....	78.1	76.7	62.0	56.6	—	57.6	64.7	64.1	54.0	48.7	—	49.6
<b>Texas</b>												
November 1999 .....	95.7	95.8	85.8	79.8	68.2	77.0	82.2	82.4	76.9	71.9	64.6	69.7
October 1999 .....	95.8	95.8	84.3	75.5	64.1	71.8	82.3	82.4	73.8	67.6	61.5	66.1
November 1998 .....	71.7	71.5	59.3	48.6	41.4	48.2	58.2	57.8	50.1	41.2	37.2	40.7
<b>PAD District IV</b>												
November 1999 .....	108.8	107.3	91.6	85.4	W	86.7	94.3	93.8	83.5	77.8	W	79.1
October 1999 .....	111.2	109.7	94.6	88.6	W	90.1	96.2	95.7	87.2	81.1	W	82.5
November 1998 .....	84.8	82.7	65.7	60.9	W	61.9	70.4	69.7	58.7	53.1	W	54.4
<b>Colorado</b>												
November 1999 .....	109.6	107.7	89.7	80.9	W	83.1	93.5	92.9	82.6	74.1	W	76.1
October 1999 .....	112.3	110.4	91.5	82.3	W	85.0	95.6	94.8	84.6	75.5	W	77.7
November 1998 .....	86.7	84.4	62.2	54.2	W	55.4	70.4	69.4	56.2	47.1	W	48.9

See footnotes at end of table.

**Table 31. Motor Gasoline Prices by Grade, Sales Type, PAD District, and State**  
(Cents per Gallon Excluding Taxes) — Continued

Geographic Area Month	Regular						Midgrade					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average
<b>Idaho</b>												
November 1999 .....	95.3	94.5	85.0	81.8	—	82.6	103.7	102.4	89.5	86.2	—	86.8
October 1999 .....	96.9	96.8	90.0	87.6	—	88.3	104.5	104.0	97.9	91.5	—	93.0
November 1998 .....	70.3	70.0	60.4	56.3	—	57.5	78.1	77.5	64.8	61.0	—	62.1
<b>Montana</b>												
November 1999 .....	94.4	93.7	82.2	75.2	—	76.6	96.9	96.8	W	80.2	—	83.8
October 1999 .....	91.5	91.2	85.2	78.5	—	79.6	96.2	96.1	W	83.2	—	86.7
November 1998 .....	66.9	67.6	56.4	53.2	—	53.6	72.1	72.6	60.8	58.0	—	58.1
<b>Utah</b>												
November 1999 .....	88.3	87.9	79.5	79.5	—	79.5	97.1	96.9	86.7	84.6	—	85.2
October 1999 .....	92.8	92.5	85.4	85.3	—	85.3	101.5	101.4	92.0	90.7	—	91.0
November 1998 .....	64.3	63.6	55.7	55.3	—	55.5	73.6	73.1	62.7	60.6	—	61.7
<b>Wyoming</b>												
November 1999 .....	93.1	92.3	86.5	73.4	—	74.5	101.5	101.1	97.9	NA	—	78.8
October 1999 .....	96.3	95.6	88.1	76.4	—	77.6	105.1	104.4	100.1	NA	—	NA
November 1998 .....	70.3	69.9	53.5	48.8	—	49.4	77.2	76.6	NA	NA	—	NA
<b>PAD District V</b>												
November 1999 .....	89.3	89.0	82.5	77.3	73.2	79.7	97.4	97.3	87.1	83.2	W	86.1
October 1999 .....	89.9	89.5	83.1	77.2	70.0	79.8	98.1	98.0	88.0	83.5	W	86.9
November 1998 .....	67.4	66.5	61.1	52.7	47.8	56.3	77.3	76.8	67.6	57.8	W	65.1
<b>Alaska</b>												
November 1999 .....	108.3	107.8	95.6	NA	W	86.4	NA	NA	100.5	W	—	99.1
October 1999 .....	107.4	107.2	93.6	82.2	W	85.7	111.9	111.9	97.9	W	—	97.0
November 1998 .....	93.6	94.2	84.1	70.5	—	76.1	106.1	104.4	NA	76.3	—	84.9
<b>Arizona</b>												
November 1999 .....	87.1	86.7	79.2	76.8	70.6	78.0	97.5	97.3	84.0	81.6	—	83.2
October 1999 .....	84.8	84.2	77.1	75.1	W	76.1	95.1	95.0	81.3	81.4	—	81.4
November 1998 .....	62.6	61.8	56.8	49.3	43.7	53.1	72.7	72.7	63.5	56.1	—	61.5
<b>California</b>												
November 1999 .....	88.0	87.9	81.6	76.8	73.4	78.9	95.6	95.6	86.0	82.6	W	85.3
October 1999 .....	88.7	88.5	82.3	74.8	69.7	78.4	96.6	96.5	87.0	81.1	W	85.9
November 1998 .....	67.2	66.4	61.6	52.4	48.2	56.5	77.2	76.8	67.7	57.4	W	65.6
<b>Hawaii</b>												
November 1999 .....	90.8	NA	91.2	78.1	W	88.3	100.5	98.0	92.4	80.2	—	92.1
October 1999 .....	91.8	87.4	91.3	78.7	W	87.8	100.4	97.5	92.3	W	—	92.0
November 1998 .....	103.1	89.1	92.7	81.8	—	91.0	108.9	99.2	97.6	89.8	—	97.2
<b>Nevada</b>												
November 1999 .....	95.4	95.2	84.3	81.7	W	82.8	108.5	108.3	90.5	87.9	—	89.5
October 1999 .....	97.7	97.5	84.6	81.7	W	82.8	109.1	108.9	90.4	87.6	—	89.5
November 1998 .....	71.2	65.1	58.9	52.8	47.0	54.7	82.2	78.8	66.1	57.7	—	64.0
<b>Oregon</b>												
November 1999 .....	93.1	92.1	83.4	75.6	71.6	78.9	105.7	105.0	91.2	81.9	—	87.0
October 1999 .....	96.4	95.2	86.1	78.4	72.0	81.6	109.7	108.8	93.6	85.8	—	90.4
November 1998 .....	68.5	68.4	61.2	52.0	45.4	54.7	78.3	78.2	67.7	57.6	—	61.6
<b>Washington</b>												
November 1999 .....	91.9	91.5	86.3	78.0	W	82.4	103.7	103.3	92.8	83.8	—	89.0
October 1999 .....	93.7	93.4	87.0	81.3	W	84.3	105.7	105.5	93.9	87.7	—	91.3
November 1998 .....	63.6	63.8	57.3	52.9	47.2	54.9	75.4	75.5	63.8	58.7	—	61.9

See footnotes at end of table.

**Table 31. Motor Gasoline Prices by Grade, Sales Type, PAD District, and State**  
(Cents per Gallon Excluding Taxes) — Continued

Geographic Area Month	Premium						All Grades					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average
<b>Idaho</b>												
November 1999 .....	111.9	110.3	95.9	91.7	—	92.7	97.5	96.4	86.5	83.3	—	84.1
October 1999 .....	113.1	112.3	101.8	97.7	—	98.8	99.0	98.7	91.8	89.0	—	89.7
November 1998 .....	86.4	84.8	72.0	66.4	—	67.9	72.9	72.4	62.1	58.1	—	59.3
<b>Montana</b>												
November 1999 .....	108.8	108.5	93.5	87.3	—	88.4	96.4	95.7	84.5	77.4	—	78.8
October 1999 .....	106.0	105.9	95.8	89.9	—	90.9	93.6	93.3	87.4	80.4	—	81.6
November 1998 .....	80.0	79.7	68.4	65.2	—	65.6	69.4	69.7	58.6	55.6	—	56.0
<b>Utah</b>												
November 1999 .....	105.8	104.5	91.4	88.6	—	89.2	92.8	92.4	82.0	82.0	—	82.0
October 1999 .....	110.5	109.3	96.0	95.1	—	95.4	97.2	96.9	87.9	87.7	—	87.8
November 1998 .....	81.9	79.7	66.2	64.8	—	65.4	69.3	68.3	59.3	58.0	—	58.5
<b>Wyoming</b>												
November 1999 .....	107.9	106.3	97.0	82.5	—	83.9	96.2	95.2	89.5	74.9	—	76.3
October 1999 .....	111.3	109.3	99.1	85.2	—	86.9	99.5	98.5	91.0	77.8	—	79.2
November 1998 .....	83.2	81.3	NA	59.0	—	60.0	73.4	72.6	56.1	50.7	—	51.5
<b>PAD District V</b>												
November 1999 .....	107.2	106.5	97.1	89.3	79.5	93.9	93.1	92.7	85.7	79.3	73.9	82.6
October 1999 .....	107.7	106.9	97.2	89.3	75.8	93.8	93.7	93.1	86.2	79.2	70.6	82.6
November 1998 .....	86.4	85.3	76.0	64.6	49.9	70.3	71.8	70.8	64.9	54.8	48.1	59.7
<b>Alaska</b>												
November 1999 .....	125.2	125.0	107.0	NA	—	98.8	110.5	109.9	97.2	NA	W	88.0
October 1999 .....	123.5	123.4	105.3	94.2	—	98.4	109.2	108.9	95.2	83.4	W	87.2
November 1998 .....	112.2	112.1	93.9	79.4	—	85.9	96.6	97.0	85.6	71.7	—	77.6
<b>Arizona</b>												
November 1999 .....	109.1	108.1	93.8	88.1	NA	91.9	91.3	90.7	81.8	78.7	70.7	80.3
October 1999 .....	107.0	106.5	90.6	87.2	W	89.4	89.0	88.2	79.4	77.2	W	78.4
November 1998 .....	82.9	82.8	70.9	61.7	W	67.8	66.8	66.0	59.8	51.3	43.9	55.9
<b>California</b>												
November 1999 .....	104.8	104.4	96.9	88.3	79.9	93.8	92.0	91.8	85.1	78.8	74.0	82.0
October 1999 .....	105.4	104.9	97.1	86.4	75.8	93.3	92.7	92.3	85.7	76.8	70.4	81.6
November 1998 .....	85.3	84.3	76.3	63.1	51.8	70.9	72.0	71.1	65.6	54.3	48.7	60.2
<b>Hawaii</b>												
November 1999 .....	107.8	NA	100.5	88.5	W	98.0	96.3	90.2	93.9	80.9	W	91.4
October 1999 .....	108.2	101.4	100.3	88.6	W	97.3	97.0	91.9	93.9	81.2	W	90.9
November 1998 .....	118.4	105.5	104.6	94.5	—	103.4	107.4	93.9	96.6	85.2	—	95.1
<b>Nevada</b>												
November 1999 .....	115.9	115.4	99.2	94.2	W	95.7	100.0	99.6	87.0	84.2	W	85.4
October 1999 .....	118.0	117.4	98.1	94.5	W	95.3	102.2	101.8	87.1	83.8	W	85.1
November 1998 .....	90.3	86.4	72.3	63.1	54.4	67.2	75.9	69.8	62.5	54.5	47.9	57.5
<b>Oregon</b>												
November 1999 .....	113.5	111.2	NA	91.2	W	93.3	95.8	94.6	86.1	77.6	71.8	81.4
October 1999 .....	116.8	113.9	NA	94.6	W	95.8	99.2	97.9	88.5	80.4	72.2	84.0
November 1998 .....	87.3	86.6	73.5	66.4	W	66.3	71.3	71.1	63.9	54.6	45.3	57.1
<b>Washington</b>												
November 1999 .....	114.2	113.3	NA	89.5	W	94.6	95.8	95.2	88.8	80.0	W	84.7
October 1999 .....	116.1	115.1	100.4	92.9	W	96.7	97.5	97.2	89.6	83.4	W	86.6
November 1998 .....	85.1	84.6	71.7	67.0	W	66.6	67.9	67.9	60.3	55.2	46.1	57.4

Dash (—) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

<sup>a</sup> Includes sales through retail outlets as well as all direct sales to end users that were not made through company-operated retail outlets, e.g., sales to agricultural customers, commercial sales, and industrial sales.

Notes: Motor gasoline averages and totals prior to October 1993 include leaded gasoline.

Sources: Energy Information Administration Forms EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report," and EIA-782B, "Resellers'/Retailers' Monthly Petroleum Product Sales Report."

Notes: Values shown for the current month are preliminary. Values shown for previous months are revised. Data are final upon publication in the *Petroleum Marketing Annual*.

**Table 32. Conventional Motor Gasoline Prices by Grade, Sales Type, PAD District, and State**  
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Regular						Midgrade					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average
<b>United States</b>												
November 1999 .....	82.3	82.2	77.3	71.3	64.1	71.3	90.9	90.7	83.1	75.3	—	77.9
October 1999 .....	80.9	80.7	74.3	67.1	61.1	67.7	89.8	89.5	80.4	70.8	—	74.2
November 1998 .....	56.6	56.4	48.9	41.0	37.6	42.4	66.0	65.6	55.7	45.3	—	49.4
<b>PAD District I</b>												
November 1999 .....	81.3	81.1	76.9	71.1	66.0	71.9	90.3	90.0	83.9	75.2	—	78.3
October 1999 .....	80.2	79.8	73.7	66.1	62.3	67.5	89.4	88.9	80.7	70.1	—	74.0
November 1998 .....	56.0	55.6	47.1	40.3	38.4	42.2	65.7	65.2	54.8	44.5	—	48.7
<b>Subdistrict IA</b>												
November 1999 .....	94.5	94.0	84.3	73.2	W	76.9	103.8	102.9	90.7	77.3	—	82.5
October 1999 .....	95.3	94.7	82.1	70.2	—	74.5	104.4	103.2	88.5	74.1	—	80.3
November 1998 .....	64.9	64.7	56.1	45.4	41.1	48.0	75.2	74.5	64.2	49.7	—	57.4
<b>Connecticut</b>												
November 1999 .....	—	—	—	—	—	—	—	—	—	—	—	—
October 1999 .....	—	—	—	—	—	—	—	—	—	—	—	—
November 1998 .....	—	—	—	—	W	W	—	—	—	—	—	—
<b>Maine</b>												
November 1999 .....	96.0	95.7	82.6	73.0	W	75.1	105.9	105.0	89.1	77.2	—	80.4
October 1999 .....	97.0	96.6	80.8	70.1	—	72.8	106.7	105.8	87.0	74.0	—	78.1
November 1998 .....	67.1	66.8	55.8	45.6	W	46.9	77.9	76.9	64.2	49.7	—	55.8
<b>Massachusetts</b>												
November 1999 .....	—	—	—	—	—	—	—	—	—	—	—	—
October 1999 .....	—	—	—	—	—	—	—	—	—	—	—	—
November 1998 .....	—	—	—	—	W	W	—	—	—	—	—	—
<b>New Hampshire</b>												
November 1999 .....	93.0	92.7	84.6	73.6	—	79.8	102.7	101.9	89.2	77.2	—	83.4
October 1999 .....	93.8	93.2	81.8	70.6	—	77.2	102.9	102.0	86.2	75.0	—	81.3
November 1998 .....	62.4	62.3	54.9	44.1	—	50.2	72.8	72.5	59.7	49.1	—	54.9
<b>Rhode Island</b>												
November 1999 .....	—	—	—	—	—	—	—	—	—	—	—	—
October 1999 .....	—	—	—	—	—	—	—	—	—	—	—	—
November 1998 .....	—	—	—	—	—	—	—	—	—	—	—	—
<b>Vermont</b>												
November 1999 .....	91.8	91.3	86.2	74.6	—	81.8	100.4	99.3	92.8	NA	—	88.4
October 1999 .....	92.1	91.1	83.9	70.7	—	79.0	100.3	98.8	91.0	74.3	—	86.0
November 1998 .....	62.7	62.9	56.6	45.2	—	52.9	71.5	71.2	65.1	50.1	—	60.9
<b>Subdistrict IB</b>												
November 1999 .....	84.3	84.1	76.4	71.9	66.0	71.1	91.3	91.2	NA	75.2	—	78.4
October 1999 .....	84.1	83.7	74.5	68.7	62.5	68.0	91.2	90.7	80.3	71.6	—	75.4
November 1998 .....	56.7	56.5	48.6	42.8	37.7	42.9	64.1	63.7	53.8	47.1	—	50.3
<b>Delaware</b>												
November 1999 .....	—	—	—	—	—	—	—	—	—	—	—	—
October 1999 .....	—	—	—	—	—	—	—	—	—	—	—	—
November 1998 .....	—	—	—	—	—	—	—	—	—	—	—	—
<b>District of Columbia</b>												
November 1999 .....	—	—	—	—	—	—	—	—	—	—	—	—
October 1999 .....	—	—	—	—	—	—	—	—	—	—	—	—
November 1998 .....	—	—	—	—	—	—	—	—	—	—	—	—
<b>Maryland</b>												
November 1999 .....	84.7	84.3	75.4	70.9	—	71.6	93.5	92.8	82.0	75.0	—	75.7
October 1999 .....	83.3	83.0	71.9	67.3	—	68.0	92.1	90.7	80.5	71.5	—	72.4
November 1998 .....	57.3	57.1	48.3	41.1	—	42.6	66.1	65.8	57.7	45.3	—	47.8
<b>New Jersey</b>												
November 1999 .....	—	—	—	—	66.8	66.8	—	—	—	—	—	—
October 1999 .....	—	—	—	—	63.0	63.0	—	—	—	—	—	—
November 1998 .....	—	—	—	—	37.5	37.5	—	—	—	—	—	—
<b>New York</b>												
November 1999 .....	87.2	86.4	76.7	73.0	62.2	72.6	96.6	95.5	NA	75.6	—	NA
October 1999 .....	86.8	85.9	75.1	69.6	W	71.0	95.5	93.9	NA	71.9	—	NA
November 1998 .....	59.4	58.7	50.1	43.6	W	45.2	68.1	65.8	55.1	48.2	—	51.9
<b>Pennsylvania</b>												
November 1999 .....	82.2	82.4	76.2	71.2	W	71.5	89.4	89.5	NA	75.2	—	78.5
October 1999 .....	82.2	82.1	74.2	68.2	NA	68.3	89.6	89.5	79.9	71.5	—	75.3
November 1998 .....	54.9	55.0	47.4	42.3	37.8	43.2	62.7	62.8	53.2	47.0	—	50.0

See footnotes at end of table.



**Table 32. Conventional Motor Gasoline Prices by Grade, Sales Type, PAD District, and State**

(Cents per Gallon Excluding Taxes) — Continued

Geographic Area Month	Premium						All Grades					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average
<b>United States</b>												
November 1999 .....	98.8	98.1	90.2	80.8	67.7	81.7	85.6	85.4	80.1	73.0	64.5	73.3
October 1999 .....	97.6	96.9	87.4	76.5	64.9	77.8	84.3	84.0	77.2	68.7	61.7	69.6
November 1998 .....	73.8	73.0	60.7	50.3	41.4	52.7	60.6	60.3	51.9	42.9	38.0	44.7
<b>PAD District I</b>												
November 1999 .....	98.6	97.8	90.2	80.5	NA	82.4	85.4	85.1	80.5	73.1	66.4	74.4
October 1999 .....	97.4	96.6	87.4	75.5	NA	78.5	84.3	83.9	77.3	68.1	62.8	70.0
November 1998 .....	74.0	73.1	58.7	49.6	41.6	52.6	61.0	60.6	50.6	42.6	38.7	44.9
<b>Subdistrict IA</b>												
November 1999 .....	111.5	110.8	95.9	82.0	—	87.4	97.0	96.5	86.2	74.4	W	78.4
October 1999 .....	112.0	110.9	92.6	79.0	W	81.8	97.8	97.1	83.9	71.4	W	75.8
November 1998 .....	83.9	83.5	68.9	54.2	—	61.7	68.6	68.3	58.8	46.8	41.1	50.1
<b>Connecticut</b>												
November 1999 .....	—	—	—	—	—	—	—	—	—	—	—	—
October 1999 .....	—	—	—	—	—	—	—	—	—	—	—	—
November 1998 .....	—	—	—	—	—	—	—	—	—	—	W	W
<b>Maine</b>												
November 1999 .....	114.2	113.1	94.0	81.8	—	84.3	98.5	98.1	84.1	74.2	W	76.4
October 1999 .....	115.1	113.3	90.5	79.0	W	NA	99.5	99.0	82.2	71.3	W	73.8
November 1998 .....	87.3	86.6	69.7	54.4	—	59.5	71.0	70.6	58.7	46.9	W	48.6
<b>Massachusetts</b>												
November 1999 .....	—	—	—	—	—	—	—	—	—	—	—	—
October 1999 .....	—	—	—	—	—	—	—	—	—	—	—	—
November 1998 .....	—	—	—	—	—	—	—	—	—	—	W	W
<b>New Hampshire</b>												
November 1999 .....	110.6	110.6	96.4	82.9	—	91.8	95.8	95.5	86.5	74.7	—	81.4
October 1999 .....	111.0	111.0	92.7	79.9	—	88.4	96.6	96.0	83.6	71.9	—	78.9
November 1998 .....	82.4	82.4	66.7	54.3	—	62.1	66.2	66.1	57.1	45.8	—	52.3
<b>Rhode Island</b>												
November 1999 .....	—	—	—	—	—	—	—	—	—	—	—	—
October 1999 .....	—	—	—	—	—	—	—	—	—	—	—	—
November 1998 .....	—	—	—	—	—	—	—	—	—	—	—	—
<b>Vermont</b>												
November 1999 .....	107.8	107.2	96.9	NA	—	92.7	94.6	93.8	88.4	75.7	—	83.8
October 1999 .....	107.4	106.9	94.0	78.5	—	89.3	94.7	93.6	86.0	71.9	—	81.0
November 1998 .....	79.6	79.3	69.0	53.7	—	64.6	66.0	66.0	59.3	46.8	—	55.4
<b>Subdistrict IB</b>												
November 1999 .....	99.7	98.6	87.6	80.1	NA	78.8	87.0	86.8	78.6	73.2	66.4	72.5
October 1999 .....	99.6	98.6	86.1	77.4	NA	77.0	86.8	86.4	76.7	70.0	62.9	69.5
November 1998 .....	72.5	71.8	59.6	51.6	41.0	52.1	60.1	59.8	51.0	44.4	38.1	44.7
<b>Delaware</b>												
November 1999 .....	—	—	—	—	—	—	—	—	—	—	—	—
October 1999 .....	—	—	—	—	—	—	—	—	—	—	—	—
November 1998 .....	—	—	—	—	—	—	—	—	—	—	—	—
<b>District of Columbia</b>												
November 1999 .....	—	—	—	—	—	—	—	—	—	—	—	—
October 1999 .....	—	—	—	—	—	—	—	—	—	—	—	—
November 1998 .....	—	—	—	—	—	—	—	—	—	—	—	—
<b>Maryland</b>												
November 1999 .....	99.8	99.0	83.0	80.1	—	80.5	88.3	87.8	77.0	72.6	—	73.3
October 1999 .....	98.8	97.9	80.6	78.0	—	78.4	87.0	86.4	73.7	69.1	—	69.8
November 1998 .....	73.5	72.8	58.5	51.0	—	52.5	61.9	61.6	51.0	43.3	—	44.9
<b>New Jersey</b>												
November 1999 .....	—	—	—	—	72.6	72.6	—	—	—	—	67.2	67.2
October 1999 .....	—	—	—	—	69.5	69.5	—	—	—	—	63.2	63.2
November 1998 .....	—	—	—	—	NA	NA	—	—	—	—	37.5	37.5
<b>New York</b>												
November 1999 .....	103.1	100.1	NA	80.3	69.7	81.9	89.7	88.8	78.6	74.0	62.8	74.0
October 1999 .....	102.6	100.4	NA	77.9	W	80.8	89.2	88.2	77.0	70.7	W	72.4
November 1998 .....	75.0	73.2	61.0	52.6	W	55.3	62.3	61.2	52.2	45.1	W	46.9
<b>Pennsylvania</b>												
November 1999 .....	97.9	97.6	87.6	80.1	W	78.1	85.3	85.4	78.6	72.8	NA	73.1
October 1999 .....	98.1	97.6	85.9	77.1	NA	75.7	85.3	85.2	76.6	69.7	NA	70.0
November 1998 .....	71.4	71.0	58.7	51.1	42.4	51.6	58.7	58.9	50.2	44.1	39.1	45.3

See footnotes at end of table.

**Table 32. Conventional Motor Gasoline Prices by Grade, Sales Type, PAD District, and State**

(Cents per Gallon Excluding Taxes) — Continued

Geographic Area Month	Regular						Midgrade					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average
<b>Subdistrict IC</b>												
November 1999 .....	79.6	79.4	76.3	70.6	65.8	72.0	89.5	89.2	83.9	75.1	—	78.1
October 1999 .....	78.0	77.7	72.3	65.0	60.2	66.7	88.4	87.9	80.4	69.7	—	73.5
November 1998 .....	55.3	54.9	46.0	39.2	40.1	41.5	65.8	65.3	54.7	43.9	—	48.1
<b>Florida</b>												
November 1999 .....	81.3	80.9	78.3	71.0	W	73.3	91.9	91.5	87.3	75.2	—	80.8
October 1999 .....	80.6	80.0	76.1	65.4	W	68.7	91.8	91.4	85.2	69.8	—	77.1
November 1998 .....	57.3	56.7	49.6	39.6	41.0	42.4	68.9	67.7	57.6	43.8	—	49.7
<b>Georgia</b>												
November 1999 .....	77.8	78.0	73.2	70.3	W	70.9	87.3	87.4	78.5	75.2	—	76.3
October 1999 .....	75.7	75.7	67.8	64.6	W	65.2	85.6	85.5	74.7	69.3	—	71.2
November 1998 .....	53.5	53.4	NA	38.7	W	41.1	63.6	63.5	NA	43.8	—	47.4
<b>North Carolina</b>												
November 1999 .....	78.9	78.5	77.6	70.7	W	72.1	88.6	88.2	85.2	75.4	—	77.9
October 1999 .....	76.9	76.5	72.2	65.0	W	66.4	86.9	86.3	80.3	70.1	—	72.8
November 1998 .....	53.9	53.0	41.7	39.3	W	40.1	64.3	64.0	54.7	44.0	—	47.1
<b>South Carolina</b>												
November 1999 .....	77.3	77.1	72.1	70.7	—	70.9	88.0	87.7	77.7	75.2	—	75.8
October 1999 .....	76.0	75.7	68.3	64.8	—	65.4	86.6	86.3	73.6	69.5	—	70.3
November 1998 .....	52.3	52.2	41.7	39.0	—	39.7	62.2	62.0	47.8	44.0	—	45.2
<b>Virginia</b>												
November 1999 .....	80.4	80.3	75.9	70.0	NA	70.9	89.1	88.7	79.8	73.8	—	75.5
October 1999 .....	79.0	78.7	71.8	65.1	61.1	66.0	87.8	87.3	75.7	69.4	—	71.2
November 1998 .....	57.7	57.9	49.3	38.8	NA	43.4	67.1	67.0	58.1	43.2	—	49.2
<b>West Virginia</b>												
November 1999 .....	83.0	82.8	78.0	72.8	—	75.7	91.9	91.7	83.2	77.1	—	80.8
October 1999 .....	78.2	78.0	73.0	67.6	—	70.3	87.0	86.7	77.9	72.5	—	75.6
November 1998 .....	56.9	56.8	51.8	43.6	—	48.6	65.9	65.7	56.2	49.2	—	53.7
<b>PAD District II</b>												
November 1999 .....	82.2	82.0	76.3	71.1	63.0	71.1	90.1	90.0	81.2	74.6	—	76.6
October 1999 .....	78.8	78.7	71.8	65.6	61.1	66.4	86.6	86.6	77.7	68.9	—	71.7
November 1998 .....	55.3	55.3	47.4	40.3	37.9	41.7	63.5	63.4	54.0	45.0	—	48.5
<b>Illinois</b>												
November 1999 .....	84.1	84.0	81.9	71.8	62.6	69.6	90.5	90.5	80.6	75.2	—	76.1
October 1999 .....	80.9	81.0	77.8	65.7	62.6	65.6	84.9	85.2	76.8	69.2	—	70.5
November 1998 .....	56.8	57.0	51.5	40.1	39.8	40.8	59.7	60.1	51.7	44.6	—	46.3
<b>Indiana</b>												
November 1999 .....	80.8	80.7	77.8	71.5	63.0	71.3	88.8	88.9	82.7	74.3	—	76.9
October 1999 .....	76.8	76.8	73.7	64.6	64.1	66.2	84.7	84.9	78.5	67.3	—	70.8
November 1998 .....	56.5	56.4	48.0	39.4	NA	41.5	64.7	64.5	53.8	42.9	—	47.5
<b>Iowa</b>												
November 1999 .....	78.1	78.6	77.1	69.9	—	70.3	83.4	83.7	77.3	72.5	—	73.2
October 1999 .....	76.6	77.2	73.6	65.9	—	66.4	82.3	82.5	74.6	68.2	—	69.0
November 1998 .....	54.3	54.8	46.6	40.9	—	41.5	61.2	61.4	51.2	47.7	—	48.6
<b>Kansas</b>												
November 1999 .....	78.5	78.5	72.3	68.5	64.9	68.4	85.2	85.1	78.6	72.6	—	74.9
October 1999 .....	77.4	77.4	69.2	64.9	W	64.8	84.0	83.9	77.4	69.1	—	72.4
November 1998 .....	54.5	54.2	46.2	39.6	36.3	39.9	60.2	60.1	NA	43.8	—	46.4
<b>Kentucky</b>												
November 1999 .....	84.5	83.3	77.3	73.1	W	73.5	94.0	93.0	83.7	77.2	—	78.7
October 1999 .....	81.4	80.5	71.9	66.5	W	67.4	90.1	89.1	78.9	70.6	—	72.6
November 1998 .....	56.4	55.5	44.8	41.0	—	41.9	66.6	65.8	50.5	45.2	—	46.8
<b>Michigan</b>												
November 1999 .....	83.6	83.2	75.8	72.5	—	73.5	92.3	92.4	81.1	75.6	—	79.0
October 1999 .....	78.2	78.0	70.4	65.7	W	67.2	87.5	87.8	76.0	68.6	—	73.3
November 1998 .....	55.0	54.8	45.9	41.2	—	43.0	65.3	65.0	52.8	44.2	—	50.3
<b>Minnesota</b>												
November 1999 .....	W	W	—	70.3	W	69.8	—	—	—	72.6	—	72.6
October 1999 .....	—	—	—	67.1	W	66.5	—	—	—	69.7	—	69.7
November 1998 .....	—	—	—	41.3	37.8	40.7	—	—	—	49.2	—	49.2
<b>Missouri</b>												
November 1999 .....	79.4	79.5	72.8	69.2	—	69.9	88.6	88.4	81.5	71.6	—	75.2
October 1999 .....	77.8	77.7	69.7	65.4	—	66.2	86.3	85.8	78.7	67.9	—	71.7
November 1998 .....	52.4	52.7	48.3	39.7	—	42.4	60.5	60.4	52.9	45.0	—	49.5

See footnotes at end of table.

**Table 32. Conventional Motor Gasoline Prices by Grade, Sales Type, PAD District, and State**

(Cents per Gallon Excluding Taxes) — Continued

Geographic Area Month	Premium						All Grades					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average
<b>Subdistrict IC</b>												
November 1999 .....	98.1	97.4	90.5	80.5	68.1	83.3	84.4	84.0	80.7	73.0	66.7	75.0
October 1999 .....	96.6	95.8	87.5	75.0	W	78.7	82.9	82.4	76.9	67.4	61.6	69.8
November 1998 .....	74.1	73.1	58.2	49.1	W	52.6	61.0	60.5	50.1	41.9	40.6	44.8
<b>Florida</b>												
November 1999 .....	99.6	99.1	94.0	80.6	W	86.4	86.4	85.9	84.2	73.4	W	77.2
October 1999 .....	98.8	98.3	91.9	75.2	—	82.8	85.8	85.2	82.0	67.7	W	72.9
November 1998 .....	75.6	74.4	63.7	49.4	W	55.6	63.2	62.5	55.5	42.3	41.4	46.7
<b>Georgia</b>												
November 1999 .....	95.6	95.1	83.0	80.2	—	80.9	82.2	82.5	75.8	72.6	W	73.3
October 1999 .....	93.7	93.3	79.6	74.7	W	76.0	80.3	80.3	71.1	66.9	W	67.8
November 1998 .....	72.3	71.9	NA	48.4	—	51.9	58.9	59.0	NA	41.3	W	44.1
<b>North Carolina</b>												
November 1999 .....	97.8	96.9	92.2	81.0	W	83.1	83.7	83.2	81.5	73.2	W	74.9
October 1999 .....	95.8	94.8	87.3	75.1	—	77.7	81.8	81.2	76.3	67.4	W	69.3
November 1998 .....	73.6	72.1	51.7	49.4	W	50.2	60.1	59.1	45.2	42.1	W	43.1
<b>South Carolina</b>												
November 1999 .....	97.3	96.8	84.1	80.8	—	81.4	82.2	81.9	75.1	73.0	—	73.3
October 1999 .....	96.1	95.6	80.0	75.2	—	76.0	80.8	80.4	71.0	67.1	—	67.7
November 1998 .....	71.1	70.4	52.5	49.1	W	50.0	57.6	57.3	44.7	41.6	W	42.5
<b>Virginia</b>												
November 1999 .....	98.5	97.8	87.3	79.1	66.8	79.4	84.7	84.5	79.0	72.1	67.9	73.1
October 1999 .....	97.1	96.2	83.3	74.7	NA	76.2	83.4	83.0	74.9	67.3	NA	68.5
November 1998 .....	75.8	75.4	57.8	48.6	NA	52.7	62.9	63.0	52.0	41.3	NA	45.9
<b>West Virginia</b>												
November 1999 .....	100.0	97.8	88.4	82.7	—	85.7	86.4	86.1	80.3	74.9	—	77.9
October 1999 .....	95.1	92.8	83.6	77.6	—	80.5	81.6	81.2	75.3	69.7	—	72.6
November 1998 .....	74.5	74.1	63.7	54.1	—	60.1	60.9	60.8	54.4	45.9	—	51.2
<b>PAD District II</b>												
November 1999 .....	97.1	96.5	88.4	80.2	67.1	81.6	84.7	84.4	78.5	72.4	63.1	72.7
October 1999 .....	94.0	93.3	83.8	74.7	63.1	76.6	81.3	81.1	74.0	66.9	61.2	67.9
November 1998 .....	70.8	70.3	59.4	49.5	40.0	51.9	58.3	58.1	50.0	41.9	38.0	43.6
<b>Illinois</b>												
November 1999 .....	99.1	98.6	96.9	81.1	W	82.2	86.6	86.4	84.1	73.0	62.6	71.0
October 1999 .....	93.7	93.6	92.6	75.0	W	75.8	82.8	82.9	79.9	66.8	62.7	66.8
November 1998 .....	70.2	70.1	59.5	49.9	W	50.4	58.5	58.7	52.4	41.6	39.9	42.1
<b>Indiana</b>												
November 1999 .....	94.2	94.2	89.0	80.5	67.7	81.7	83.4	83.3	80.1	72.9	63.2	73.0
October 1999 .....	90.4	90.3	85.3	73.6	W	75.8	79.4	79.4	76.0	65.9	63.9	67.8
November 1998 .....	72.4	72.1	59.6	49.0	—	52.2	60.2	60.1	50.8	41.2	NA	43.7
<b>Iowa</b>												
November 1999 .....	88.1	88.2	89.9	78.9	—	80.1	79.3	79.8	78.2	70.7	—	71.3
October 1999 .....	87.0	87.1	85.6	74.5	—	75.9	77.9	78.4	74.9	66.6	—	67.3
November 1998 .....	64.0	64.1	53.7	49.6	—	50.3	55.7	56.2	48.5	42.3	—	43.1
<b>Kansas</b>												
November 1999 .....	91.9	91.7	81.4	75.5	W	76.7	80.1	80.0	73.9	69.3	65.0	69.3
October 1999 .....	89.2	89.1	78.5	72.0	W	72.9	78.9	78.8	70.8	65.6	W	65.7
November 1998 .....	66.5	66.2	54.2	46.5	W	47.3	56.0	55.6	47.5	40.3	36.7	40.7
<b>Kentucky</b>												
November 1999 .....	102.1	99.1	88.3	82.8	W	83.4	88.1	86.6	79.8	75.0	W	75.5
October 1999 .....	98.8	96.4	84.3	76.2	—	77.5	84.9	83.8	74.5	68.4	W	69.4
November 1998 .....	75.6	74.2	56.0	50.9	—	52.4	61.2	60.3	47.8	43.2	—	44.4
<b>Michigan</b>												
November 1999 .....	99.2	98.7	88.5	82.2	—	84.6	85.8	85.5	78.0	73.7	—	75.1
October 1999 .....	93.9	93.5	82.9	75.4	—	78.4	80.5	80.4	72.6	66.9	W	68.9
November 1998 .....	70.3	69.3	58.5	51.2	—	54.3	57.6	57.3	48.5	42.7	—	45.1
<b>Minnesota</b>												
November 1999 .....	101.7	101.8	93.1	78.5	—	80.3	99.0	99.2	93.1	71.4	W	71.1
October 1999 .....	101.0	101.1	87.0	75.7	—	77.0	101.0	101.1	87.0	68.3	W	67.8
November 1998 .....	72.2	72.2	W	50.2	W	49.4	72.2	72.2	W	42.5	38.5	41.9
<b>Missouri</b>												
November 1999 .....	96.7	96.5	81.5	77.5	—	78.3	81.7	81.6	74.3	70.2	—	71.0
October 1999 .....	94.6	93.0	78.4	73.5	—	74.5	80.0	79.8	71.2	66.4	—	67.3
November 1998 .....	68.9	68.8	59.8	48.0	—	52.2	55.0	55.1	50.3	41.0	—	44.1

See footnotes at end of table.

**Table 32. Conventional Motor Gasoline Prices by Grade, Sales Type, PAD District, and State**

(Cents per Gallon Excluding Taxes) — Continued

Geographic Area Month	Regular						Midgrade					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average
<b>Nebraska</b>												
November 1999 .....	79.1	79.2	75.2	69.3	—	70.0	85.1	85.2	76.6	71.8	—	73.6
October 1999 .....	79.0	79.1	73.5	65.8	—	66.8	83.8	83.6	73.9	68.5	—	70.4
November 1998 .....	56.4	56.9	46.8	40.8	—	41.7	61.5	60.6	58.0	47.4	—	50.3
<b>North Dakota</b>												
November 1999 .....	89.6	86.4	75.9	70.5	—	71.5	97.1	NA	77.9	76.2	—	77.1
October 1999 .....	88.9	85.3	75.3	68.1	—	69.5	96.8	94.7	76.3	73.1	—	75.1
November 1998 .....	66.2	65.7	48.8	42.8	—	43.9	74.6	74.4	NA	50.1	—	51.4
<b>Ohio</b>												
November 1999 .....	87.5	87.0	80.4	73.5	66.3	75.3	97.3	96.3	86.8	76.0	—	79.7
October 1999 .....	79.7	79.5	73.5	66.6	W	68.8	89.6	89.0	80.5	69.6	—	74.4
November 1998 .....	57.2	56.9	50.5	41.9	W	45.1	66.4	66.0	58.0	45.0	—	52.0
<b>Oklahoma</b>												
November 1999 .....	75.5	75.5	70.0	67.6	62.0	65.2	81.3	81.3	76.2	69.3	—	73.7
October 1999 .....	75.7	75.6	67.2	64.0	60.3	62.6	81.6	81.4	73.9	65.6	—	70.2
November 1998 .....	52.3	52.2	42.1	38.9	36.9	38.4	58.5	58.4	48.7	40.2	—	46.0
<b>South Dakota</b>												
November 1999 .....	86.3	86.2	NA	70.5	—	72.4	87.7	88.2	NA	NA	—	NA
October 1999 .....	86.8	86.6	75.5	67.7	—	69.8	89.1	89.4	76.0	NA	—	NA
November 1998 .....	65.0	65.2	49.8	42.4	—	44.3	65.1	65.7	48.3	NA	—	NA
<b>Tennessee</b>												
November 1999 .....	77.0	76.7	72.5	70.7	—	71.0	86.6	87.1	79.7	75.2	—	76.3
October 1999 .....	76.7	76.4	72.2	64.8	—	65.7	86.5	86.7	79.2	69.3	—	71.6
November 1998 .....	51.8	51.6	47.2	39.1	—	40.3	61.8	61.7	57.1	43.8	—	46.6
<b>Wisconsin</b>												
November 1999 .....	85.5	85.2	79.6	72.0	—	73.1	88.7	88.5	81.9	74.4	—	74.9
October 1999 .....	83.2	82.7	72.7	66.1	—	67.0	89.5	89.4	78.0	69.0	—	69.6
November 1998 .....	56.6	56.4	47.9	39.7	—	40.6	63.9	64.0	NA	45.0	—	46.4
<b>PAD District III</b>												
November 1999 .....	79.6	79.7	75.7	70.2	63.5	68.6	89.0	88.7	81.0	74.3	—	76.4
October 1999 .....	79.6	79.5	70.9	65.8	60.1	64.6	88.9	88.5	76.5	69.7	—	71.9
November 1998 .....	54.7	54.2	47.4	38.8	36.4	39.2	65.6	64.9	53.1	43.0	—	46.0
<b>Alabama</b>												
November 1999 .....	79.4	79.3	80.2	70.4	W	72.6	88.6	88.3	88.0	75.1	—	79.6
October 1999 .....	78.6	78.4	73.9	65.4	—	67.5	87.8	87.4	81.4	70.3	—	74.5
November 1998 .....	57.2	56.8	48.0	39.2	W	41.9	66.0	65.2	53.4	43.8	—	47.7
<b>Arkansas</b>												
November 1999 .....	78.8	78.8	72.9	69.9	W	70.0	88.1	88.0	79.8	74.5	—	75.7
October 1999 .....	77.9	77.7	70.1	65.4	W	65.5	86.3	86.1	77.5	69.1	—	71.0
November 1998 .....	52.6	52.2	46.7	39.5	W	40.3	62.7	61.5	49.0	43.4	—	44.7
<b>Louisiana</b>												
November 1999 .....	81.3	80.8	76.2	69.9	63.6	68.9	92.0	91.3	79.5	73.8	—	76.2
October 1999 .....	81.1	80.4	72.0	64.9	59.9	64.6	91.4	90.5	76.2	69.1	—	72.1
November 1998 .....	55.5	54.6	52.9	38.2	36.3	40.0	66.7	65.8	58.9	42.7	—	47.7
<b>Mississippi</b>												
November 1999 .....	79.3	79.2	72.3	70.1	NA	68.3	89.2	89.1	79.1	74.7	—	75.2
October 1999 .....	80.1	80.0	69.3	64.4	62.8	64.3	89.0	88.7	76.1	69.1	—	69.9
November 1998 .....	58.3	58.1	49.6	38.3	34.8	40.8	68.2	67.9	58.5	42.6	—	48.3
<b>New Mexico</b>												
November 1999 .....	91.8	91.5	80.2	75.6	—	76.3	101.8	101.0	82.2	80.7	—	81.2
October 1999 .....	91.4	91.0	76.4	75.5	—	75.6	102.0	101.2	77.5	80.4	—	79.5
November 1998 .....	61.8	61.4	52.6	45.7	—	46.9	70.8	70.2	55.1	50.6	—	51.4
<b>Texas</b>												
November 1999 .....	77.9	78.2	73.9	69.8	63.6	67.2	86.0	85.8	77.3	73.6	—	74.7
October 1999 .....	77.5	77.8	68.7	65.5	59.9	63.3	86.5	86.3	72.7	69.3	—	70.3
November 1998 .....	52.6	52.4	43.7	38.1	36.5	37.8	63.8	63.2	47.3	42.1	—	43.3
<b>PAD District IV</b>												
November 1999 .....	90.4	90.0	81.6	76.1	W	77.1	99.0	98.8	88.3	82.0	—	83.7
October 1999 .....	92.0	91.7	84.9	79.7	W	80.8	102.0	101.7	90.7	85.6	—	87.3
November 1998 .....	66.5	66.2	56.3	51.5	W	52.5	76.9	76.4	62.1	57.8	—	59.7
<b>Colorado</b>												
November 1999 .....	87.8	87.3	77.1	71.4	W	71.4	99.8	99.6	85.6	75.7	—	77.1
October 1999 .....	90.1	89.5	80.5	73.9	W	75.2	102.5	102.2	87.7	78.4	—	82.5
November 1998 .....	66.0	65.2	50.8	44.4	W	44.9	79.2	78.6	NA	49.7	—	52.9

See footnotes at end of table.

**Table 32. Conventional Motor Gasoline Prices by Grade, Sales Type, PAD District, and State**

(Cents per Gallon Excluding Taxes) — Continued

Geographic Area Month	Premium						All Grades					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average
<b>Nebraska</b>												
November 1999 .....	90.2	90.0	86.8	77.4	—	79.2	80.8	80.8	76.4	69.9	—	70.9
October 1999 .....	90.3	90.2	83.2	74.1	—	75.9	80.4	80.4	74.4	66.4	—	67.6
November 1998 .....	68.2	68.1	NA	48.9	—	50.6	58.0	58.1	49.6	41.9	—	43.2
<b>North Dakota</b>												
November 1999 .....	97.9	NA	86.6	80.0	—	82.5	90.8	87.7	77.2	71.2	—	72.5
October 1999 .....	98.1	NA	85.2	77.6	—	79.8	90.0	86.5	76.1	68.7	—	70.4
November 1998 .....	72.7	72.0	58.1	51.2	—	53.0	67.4	67.0	50.1	43.7	—	44.9
<b>Ohio</b>												
November 1999 .....	104.0	102.7	93.0	82.9	—	86.5	90.5	89.9	82.9	74.9	66.3	77.1
October 1999 .....	97.1	96.2	85.9	76.1	W	79.8	82.9	82.6	76.1	67.9	62.7	70.7
November 1998 .....	74.5	73.7	63.8	51.8	—	57.4	60.9	60.5	53.7	43.5	W	47.6
<b>Oklahoma</b>												
November 1999 .....	88.8	88.5	77.8	75.0	67.1	73.1	77.7	77.6	71.1	68.7	62.3	66.1
October 1999 .....	90.3	89.9	74.8	71.4	W	70.8	77.9	77.8	68.2	65.0	60.3	63.3
November 1998 .....	63.8	63.5	49.5	46.3	NA	45.1	54.8	54.6	43.4	40.2	36.9	39.2
<b>South Dakota</b>												
November 1999 .....	97.7	97.4	NA	79.4	—	80.9	87.1	87.2	NA	71.1	—	72.9
October 1999 .....	99.1	99.1	82.3	77.3	—	78.7	87.8	87.7	75.9	68.2	—	70.3
November 1998 .....	80.5	80.3	56.4	51.6	—	52.9	65.7	66.0	50.1	43.4	—	45.2
<b>Tennessee</b>												
November 1999 .....	94.2	93.8	86.6	80.5	—	81.3	81.4	81.2	76.6	73.1	—	73.6
October 1999 .....	94.8	94.2	85.8	74.8	—	76.4	81.3	81.1	76.1	67.1	—	68.3
November 1998 .....	70.7	70.2	60.1	48.9	—	50.6	57.3	57.1	51.6	41.9	—	43.4
<b>Wisconsin</b>												
November 1999 .....	96.5	96.2	90.0	81.3	—	82.5	86.8	86.5	80.6	73.1	—	74.1
October 1999 .....	94.8	94.1	83.3	75.5	—	76.7	84.6	84.1	73.9	67.1	—	68.1
November 1998 .....	68.9	68.4	58.1	49.4	—	50.2	58.4	58.3	49.1	40.9	—	41.8
<b>PAD District III</b>												
November 1999 .....	96.9	96.5	88.7	80.0	66.5	77.9	83.2	83.2	78.5	72.0	63.9	70.4
October 1999 .....	96.3	95.8	84.4	75.5	64.2	72.6	83.1	82.9	73.8	67.6	60.9	66.4
November 1998 .....	72.3	71.6	59.6	48.3	40.3	48.7	59.1	58.5	50.4	40.9	36.9	41.2
<b>Alabama</b>												
November 1999 .....	97.1	96.5	94.8	80.7	—	84.5	83.5	83.3	84.4	72.9	W	75.7
October 1999 .....	96.1	95.6	87.5	75.9	—	79.3	82.7	82.5	78.1	67.9	—	70.7
November 1998 .....	74.6	73.7	60.7	49.3	—	52.7	62.0	61.5	51.4	41.9	W	45.0
<b>Arkansas</b>												
November 1999 .....	95.6	95.0	85.4	79.3	W	79.8	82.2	82.1	75.6	71.6	W	71.7
October 1999 .....	93.4	92.6	82.5	74.8	W	75.1	81.1	80.9	72.9	67.0	W	67.3
November 1998 .....	70.5	68.9	56.7	49.0	—	50.5	56.4	55.5	48.8	41.5	W	42.4
<b>Louisiana</b>												
November 1999 .....	99.8	98.0	88.6	79.9	64.9	77.4	85.9	85.2	79.4	72.1	63.8	71.2
October 1999 .....	99.4	97.6	86.2	74.9	W	73.2	85.6	84.7	75.7	67.0	61.6	67.1
November 1998 .....	74.7	72.5	65.2	48.0	40.0	47.6	61.2	60.1	56.7	40.8	37.6	42.6
<b>Mississippi</b>												
November 1999 .....	98.8	98.6	85.7	80.2	W	78.2	83.8	83.7	75.6	72.3	61.2	70.5
October 1999 .....	96.7	96.3	82.6	74.8	66.8	73.8	84.1	83.8	72.6	66.7	63.4	66.4
November 1998 .....	77.3	76.3	62.7	48.0	W	51.1	63.2	63.0	53.1	40.7	35.6	43.5
<b>New Mexico</b>												
November 1999 .....	108.1	107.0	90.9	85.0	—	85.6	94.5	94.0	81.3	77.0	—	77.6
October 1999 .....	107.7	105.8	89.2	85.1	—	85.4	94.2	93.6	77.4	76.9	—	77.0
November 1998 .....	77.8	76.7	62.9	54.9	—	56.5	64.8	64.3	54.4	47.2	—	48.5
<b>Texas</b>												
November 1999 .....	94.5	94.4	83.8	79.2	67.3	74.9	81.0	81.1	75.4	71.2	64.0	68.4
October 1999 .....	94.5	94.4	80.0	75.0	63.6	69.2	80.6	80.8	70.5	66.9	60.5	64.5
November 1998 .....	69.4	69.2	53.4	47.3	40.5	45.9	56.6	56.1	45.6	39.8	36.8	39.0
<b>PAD District IV</b>												
November 1999 .....	108.4	106.7	91.9	86.1	W	87.1	94.2	93.6	83.7	78.1	W	79.1
October 1999 .....	111.2	109.7	94.5	89.3	W	90.5	96.2	95.7	87.2	81.6	W	82.8
November 1998 .....	85.6	83.4	66.2	61.8	W	62.5	71.4	70.6	59.1	53.8	W	55.0
<b>Colorado</b>												
November 1999 .....	109.0	106.6	NA	80.6	W	NA	93.1	92.4	79.3	73.1	W	73.2
October 1999 .....	112.3	110.4	90.6	82.8	W	85.0	95.6	94.8	83.7	75.6	W	77.5
November 1998 .....	88.9	86.5	59.5	53.7	W	53.1	72.2	71.2	NA	46.4	W	47.1

See footnotes at end of table.

**Table 32. Conventional Motor Gasoline Prices by Grade, Sales Type, PAD District, and State**

(Cents per Gallon Excluding Taxes) — Continued

Geographic Area Month	Regular						Midgrade					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average
<b>Idaho</b>												
November 1999 .....	95.3	94.5	85.0	81.8	—	82.6	103.7	102.4	89.5	86.2	—	86.8
October 1999 .....	96.9	96.8	90.0	87.6	—	88.3	104.5	104.0	97.9	91.5	—	93.0
November 1998 .....	70.3	70.0	60.4	56.3	—	57.5	78.1	77.5	64.8	61.0	—	62.1
<b>Montana</b>												
November 1999 .....	94.4	93.7	82.2	74.7	—	76.2	96.8	96.7	W	80.2	—	84.2
October 1999 .....	91.5	91.2	85.2	78.5	—	79.6	96.2	96.1	W	83.2	—	86.7
November 1998 .....	66.7	67.4	56.4	52.7	—	53.2	71.9	72.4	60.7	57.6	—	57.8
<b>Utah</b>												
November 1999 .....	88.2	87.8	79.3	79.1	—	79.2	97.0	96.9	86.7	84.1	—	84.8
October 1999 .....	92.8	92.5	85.3	85.3	—	85.3	101.5	101.4	92.0	90.7	—	91.1
November 1998 .....	64.1	63.3	55.7	54.8	—	55.2	73.8	73.3	62.7	60.2	—	61.6
<b>Wyoming</b>												
November 1999 .....	93.1	92.3	86.5	73.4	—	74.5	101.5	101.1	97.9	NA	—	78.8
October 1999 .....	96.3	95.6	88.1	76.4	—	77.6	105.1	104.4	100.1	NA	—	NA
November 1998 .....	70.3	69.9	53.5	48.8	—	49.4	77.2	76.6	NA	53.6	—	NA
<b>PAD District V</b>												
November 1999 .....	93.0	91.9	82.8	76.4	71.9	78.5	103.1	102.5	90.1	82.3	—	86.5
October 1999 .....	95.9	94.8	84.8	79.3	70.4	80.8	105.4	104.9	92.2	85.6	—	89.3
November 1998 .....	69.4	68.0	60.7	51.9	46.7	54.9	78.3	77.9	68.0	57.0	—	63.1
<b>Alaska</b>												
November 1999 .....	NA	NA	94.6	NA	W	84.0	W	W	94.8	W	—	93.0
October 1999 .....	107.8	107.5	NA	81.6	W	84.7	111.1	111.1	95.4	W	—	94.3
November 1998 .....	93.2	93.6	83.7	68.8	—	74.8	105.6	103.7	81.8	76.3	—	78.3
<b>Arizona</b>												
November 1999 .....	91.1	90.3	77.7	76.8	70.6	76.4	97.6	97.3	NA	81.5	—	81.7
October 1999 .....	91.7	90.4	77.1	75.6	W	75.7	98.4	98.1	NA	81.3	—	81.6
November 1998 .....	62.5	61.8	53.5	47.9	43.7	49.1	71.2	71.1	61.3	53.7	—	57.6
<b>California</b>												
November 1999 .....	—	—	—	80.2	W	73.6	—	—	—	W	—	W
October 1999 .....	—	—	—	77.2	W	71.0	—	—	—	81.6	—	81.6
November 1998 .....	—	—	—	50.3	NA	49.7	—	—	—	54.9	—	54.9
<b>Hawaii</b>												
November 1999 .....	90.8	NA	91.2	78.1	W	88.3	100.5	98.0	92.4	80.2	—	92.1
October 1999 .....	91.8	87.4	91.3	78.7	W	87.8	100.4	97.5	92.3	W	—	92.0
November 1998 .....	103.1	89.1	92.7	81.8	—	91.0	108.9	99.2	97.6	89.8	—	97.2
<b>Nevada</b>												
November 1999 .....	90.9	91.2	85.2	79.8	W	81.4	102.2	102.2	96.5	86.0	—	89.3
October 1999 .....	97.9	98.2	NA	80.5	W	82.8	106.2	106.2	NA	85.2	—	92.1
November 1998 .....	68.9	59.9	58.0	51.6	47.0	51.9	78.0	76.0	68.3	55.1	—	62.0
<b>Oregon</b>												
November 1999 .....	92.4	91.4	81.9	73.8	71.6	76.1	104.7	104.0	NA	80.2	—	83.4
October 1999 .....	96.3	95.0	85.6	78.0	72.0	80.3	108.8	107.8	93.0	85.4	—	89.2
November 1998 .....	69.8	69.4	63.5	50.3	45.4	53.0	79.2	78.8	68.6	56.5	—	59.6
<b>Washington</b>												
November 1999 .....	93.5	92.7	82.3	76.6	W	78.9	104.1	103.6	90.5	82.4	—	86.7
October 1999 .....	95.8	95.2	84.3	80.4	W	81.9	106.4	106.1	92.6	86.6	—	89.9
November 1998 .....	63.4	63.6	56.6	51.6	47.2	54.0	75.1	75.2	62.8	57.5	—	60.9

See footnotes at end of table.

**Table 32. Conventional Motor Gasoline Prices by Grade, Sales Type, PAD District, and State**

(Cents per Gallon Excluding Taxes) — Continued

Geographic Area Month	Premium						All Grades					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average
<b>Idaho</b>												
November 1999 .....	111.9	110.3	95.9	91.7	—	92.7	97.5	96.4	86.5	83.3	—	84.1
October 1999 .....	113.1	112.3	101.8	97.7	—	98.8	99.0	98.7	91.8	89.0	—	89.7
November 1998 .....	86.4	84.8	72.0	66.4	—	67.9	72.9	72.4	62.1	58.1	—	59.3
<b>Montana</b>												
November 1999 .....	108.8	108.5	93.5	86.9	—	88.1	96.4	95.7	84.5	76.9	—	78.5
October 1999 .....	106.0	105.9	95.8	89.8	—	90.9	93.6	93.3	87.4	80.4	—	81.6
November 1998 .....	79.7	79.5	68.4	64.6	—	65.1	69.2	69.5	58.6	55.1	—	55.6
<b>Utah</b>												
November 1999 .....	105.7	104.4	91.3	88.7	—	89.4	92.8	92.4	81.9	81.5	—	81.6
October 1999 .....	110.5	109.3	96.0	95.1	—	95.4	97.2	96.9	87.9	87.7	—	87.8
November 1998 .....	82.3	79.8	66.2	64.2	—	65.2	69.5	68.3	59.3	57.4	—	58.3
<b>Wyoming</b>												
November 1999 .....	107.9	106.3	97.0	82.5	—	83.9	96.2	95.2	89.5	74.9	—	76.3
October 1999 .....	111.3	109.3	99.1	85.2	—	86.9	99.5	98.5	91.0	77.8	—	79.2
November 1998 .....	83.2	81.3	NA	59.0	—	60.0	73.4	72.6	56.1	50.7	—	51.5
<b>PAD District V</b>												
November 1999 .....	112.0	110.1	97.5	89.2	NA	91.3	96.3	95.1	85.7	78.5	72.3	80.9
October 1999 .....	114.5	112.3	99.2	92.1	NA	93.7	99.2	97.9	87.7	81.2	70.7	83.2
November 1998 .....	90.2	88.2	77.1	65.5	NA	66.8	73.0	71.6	64.0	53.9	46.8	57.3
<b>Alaska</b>												
November 1999 .....	NA	NA	106.1	NA	—	95.8	NA	NA	95.8	NA	W	85.3
October 1999 .....	123.5	123.3	105.7	93.4	—	96.8	109.2	108.9	NA	82.8	W	86.0
November 1998 .....	111.5	111.4	91.3	77.0	—	82.4	96.0	96.3	84.5	70.0	—	75.7
<b>Arizona</b>												
November 1999 .....	108.8	108.3	89.9	88.1	NA	88.9	93.7	92.8	79.5	78.5	70.7	78.2
October 1999 .....	110.2	109.5	89.6	87.4	W	88.2	94.9	93.6	79.0	77.5	W	77.6
November 1998 .....	81.8	81.6	66.0	60.2	W	62.5	65.8	65.1	55.8	49.7	43.9	51.0
<b>California</b>												
November 1999 .....	—	—	—	92.5	W	NA	—	—	—	82.5	W	73.7
October 1999 .....	—	—	—	88.9	W	NA	—	—	—	79.2	W	71.8
November 1998 .....	—	—	—	62.3	50.7	51.4	—	—	—	52.3	NA	50.3
<b>Hawaii</b>												
November 1999 .....	107.8	NA	100.5	88.5	W	98.0	96.3	90.2	93.9	80.9	W	91.4
October 1999 .....	108.2	101.4	100.3	88.6	W	97.3	97.0	91.9	93.9	81.2	W	90.9
November 1998 .....	118.4	105.5	104.6	94.5	—	103.4	107.4	93.9	96.6	85.2	—	95.1
<b>Nevada</b>												
November 1999 .....	109.3	109.3	102.9	91.8	W	92.8	94.6	94.7	87.6	82.0	W	83.4
October 1999 .....	114.7	114.7	NA	92.2	W	94.0	101.2	101.3	NA	82.1	W	84.7
November 1998 .....	84.9	78.3	73.2	61.1	54.4	62.3	72.7	63.5	61.4	52.9	47.9	53.7
<b>Oregon</b>												
November 1999 .....	111.8	109.9	NA	89.4	W	90.4	94.9	93.8	83.8	75.7	71.8	77.9
October 1999 .....	115.9	113.0	99.5	94.3	W	95.7	98.9	97.5	87.8	80.0	72.2	82.4
November 1998 .....	87.9	86.8	76.2	65.3	W	61.6	72.5	72.0	65.2	52.7	45.3	54.6
<b>Washington</b>												
November 1999 .....	114.6	113.6	97.9	88.6	W	92.0	97.6	96.7	85.5	78.8	W	81.5
October 1999 .....	116.8	115.5	99.9	92.1	W	95.2	99.9	99.1	87.6	82.4	W	84.5
November 1998 .....	84.8	84.4	71.1	66.0	W	65.5	67.8	67.8	59.5	53.9	46.1	56.4

Dash (—) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

<sup>a</sup> Includes sales through retail outlets as well as all direct sales to end users that were not made through company-operated retail outlets, e.g., sales to agricultural customers, commercial sales, and industrial sales.

Sources: Energy Information Administration Forms EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report," and EIA-782B, "Resellers/Retailers' Monthly Petroleum Product Sales Report."

Notes: Values shown for the current month are preliminary. Values shown for previous months are revised. Data are final upon publication in the *Petroleum Marketing Annual*.

**Table 33. Oxygenated Motor Gasoline Prices by Grade, Sales Type, and PAD District**  
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Regular						Midgrade					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average
<b>United States</b>												
November 1999 .....	90.3	89.9	84.7	76.3	—	80.4	99.1	98.9	89.3	76.5	—	81.4
October 1999 .....	89.0	88.6	83.8	73.4	—	78.6	96.8	96.5	88.0	72.7	—	78.1
November 1998 .....	63.6	63.1	57.3	49.8	—	53.0	72.2	71.7	62.7	50.7	—	55.9
<b>PAD District I</b>												
November 1999 .....	—	—	—	—	—	—	—	—	—	—	—	—
October 1999 .....	—	—	—	—	—	—	—	—	—	—	—	—
November 1998 .....	—	—	—	—	—	—	—	—	—	—	—	—
<b>PAD District II</b>												
November 1999 .....	89.1	89.1	81.7	73.5	—	76.1	93.1	93.0	85.8	73.6	—	75.6
October 1999 .....	87.3	87.2	77.9	70.2	—	72.6	91.3	91.3	81.6	70.4	—	72.3
November 1998 .....	63.1	63.0	53.4	46.5	—	48.6	67.2	66.9	NA	47.5	—	49.9
<b>PAD District III</b>												
November 1999 .....	92.7	90.0	76.6	77.3	—	77.2	103.1	101.5	80.9	80.8	—	80.8
October 1999 .....	NA	NA	W	73.4	—	73.6	NA	NA	W	77.2	—	77.1
November 1998 .....	62.7	61.0	49.9	49.3	—	49.3	72.0	72.0	55.1	54.4	—	54.5
<b>PAD District IV</b>												
November 1999 .....	89.1	89.1	80.2	74.9	—	76.5	101.4	101.5	85.8	79.5	—	82.6
October 1999 .....	W	W	NA	74.2	—	76.5	W	NA	W	78.2	—	83.7
November 1998 .....	61.7	61.1	54.5	48.5	—	49.8	75.0	74.4	59.8	52.3	—	54.7
<b>PAD District V</b>												
November 1999 .....	91.8	91.0	86.6	84.4	—	86.1	105.0	104.6	92.5	89.4	—	91.7
October 1999 .....	92.0	91.0	86.4	86.3	—	86.4	105.8	105.3	91.6	92.3	—	91.7
November 1998 .....	65.4	64.4	59.5	56.6	—	58.5	77.4	76.5	66.3	62.5	—	65.5

See footnotes at end of table.



**Table 33. Oxygenated Motor Gasoline Prices by Grade, Sales Type, and PAD District**  
(Cents per Gallon Excluding Taxes) — Continued

Geographic Area Month	Premium						All Grades					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average
<b>United States</b>												
November 1999 .....	110.3	108.9	96.1	86.2	—	91.8	93.3	92.8	86.8	77.4	—	81.9
October 1999 .....	107.9	107.0	95.3	84.2	—	91.1	91.5	91.1	85.8	74.2	—	79.9
November 1998 .....	81.4	80.5	70.3	59.6	—	65.2	66.8	66.1	60.3	51.2	—	55.2
<b>PAD District I</b>												
November 1999 .....	—	—	—	—	—	—	—	—	—	—	—	—
October 1999 .....	—	—	—	—	—	—	—	—	—	—	—	—
November 1998 .....	—	—	—	—	—	—	—	—	—	—	—	—
<b>PAD District II</b>												
November 1999 .....	101.4	100.8	90.3	80.5	—	84.4	90.3	90.2	82.8	73.8	—	76.5
October 1999 .....	99.5	99.3	87.1	77.4	—	81.4	88.5	88.4	79.0	70.6	—	73.0
November 1998 .....	74.5	74.3	63.5	51.9	—	56.6	64.6	64.3	55.1	47.1	—	49.5
<b>PAD District III</b>												
November 1999 .....	113.4	107.7	86.8	86.7	—	86.7	96.2	93.4	77.6	78.9	—	78.8
October 1999 .....	NA	107.2	W	83.0	—	83.0	NA	NA	W	75.0	—	75.1
November 1998 .....	81.1	76.6	58.4	58.7	—	58.7	66.0	64.2	51.4	51.0	—	51.1
<b>PAD District IV</b>												
November 1999 .....	111.6	111.6	91.1	83.4	—	85.7	95.1	95.1	83.2	76.9	—	79.0
October 1999 .....	W	W	NA	81.6	—	85.5	W	92.3	87.7	75.6	—	78.7
November 1998 .....	81.7	79.9	63.6	58.0	—	59.5	67.1	66.3	57.2	50.5	—	52.2
<b>PAD District V</b>												
November 1999 .....	115.1	112.9	NA	96.2	—	97.6	96.2	95.1	89.0	86.4	—	88.4
October 1999 .....	115.7	114.2	NA	97.5	—	97.3	96.7	95.4	88.5	88.4	—	88.5
November 1998 .....	86.9	86.5	72.9	67.4	—	71.2	69.9	68.7	62.9	58.9	—	61.6

Dash (—) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

<sup>a</sup> Includes sales through retail outlets as well as all direct sales to end users that were not made through company-operated retail outlets, e.g., sales to agricultural customers, commercial sales, and industrial sales.

Sources: Energy Information Administration Forms EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report," and EIA-782B, "Resellers'/Retailers' Monthly Petroleum Product Sales Report."

Notes: Values shown for the current month are preliminary. Values shown for previous months are revised. Data are final upon publication in the *Petroleum Marketing Annual*.

**Table 34. Reformulated Motor Gasoline Prices by Grade, Sales Type, PAD District, and Selected States**  
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Regular						Midgrade					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average
<b>United States</b>												
November 1999 .....	86.4	85.9	81.6	73.9	68.5	76.3	95.3	94.8	87.4	78.2	W	84.4
October 1999 .....	85.8	85.1	81.3	70.3	67.4	74.7	94.9	94.4	87.4	74.7	W	83.3
November 1998 .....	62.2	61.7	57.6	46.2	43.3	50.8	72.8	72.3	64.2	50.3	W	59.7
<b>PAD District I</b>												
November 1999 .....	87.9	86.4	82.0	72.9	65.9	75.1	96.5	95.0	88.5	77.2	NA	84.5
October 1999 .....	87.3	85.6	81.5	69.9	66.1	74.0	95.6	94.2	88.2	74.4	NA	83.2
November 1998 .....	59.9	59.4	55.2	45.1	40.9	48.5	69.9	69.1	61.8	49.0	—	57.4
<b>Subdistrict IA</b>												
November 1999 .....	89.8	89.2	82.4	72.9	69.0	76.1	98.8	98.0	89.3	76.4	—	83.9
October 1999 .....	89.3	88.6	81.1	70.1	67.5	73.6	97.9	97.0	88.8	73.2	—	82.2
November 1998 .....	60.9	60.2	54.5	45.9	43.1	49.2	71.1	70.4	62.4	49.3	—	57.1
<b>Connecticut</b>												
November 1999 .....	89.9	89.2	84.0	73.2	70.5	76.6	99.4	97.2	89.9	76.3	—	83.6
October 1999 .....	89.4	88.7	83.8	70.3	69.2	74.2	98.6	96.1	89.5	72.9	—	81.7
November 1998 .....	61.3	61.0	54.6	45.6	NA	50.3	71.5	69.6	61.4	50.1	—	57.1
<b>Maine</b>												
November 1999 .....	—	—	—	—	—	—	—	—	—	—	—	—
October 1999 .....	—	—	—	—	—	—	—	—	—	—	—	—
November 1998 .....	62.2	62.0	54.2	46.6	W	47.8	73.3	73.0	59.5	49.2	—	52.8
<b>Massachusetts</b>												
November 1999 .....	90.1	89.4	81.9	72.2	W	75.5	99.1	98.8	89.6	76.2	—	84.4
October 1999 .....	89.6	88.7	80.0	69.6	W	73.1	97.9	97.7	89.0	73.3	—	82.9
November 1998 .....	60.6	59.4	54.3	45.6	W	48.7	70.8	70.7	63.6	49.0	—	58.0
<b>New Hampshire</b>												
November 1999 .....	90.7	90.5	83.2	72.6	W	78.2	99.7	99.6	88.7	75.6	—	85.1
October 1999 .....	90.6	90.4	81.9	68.5	W	74.7	99.6	99.5	87.7	71.3	—	82.4
November 1998 .....	62.8	62.8	56.6	45.9	—	52.1	73.2	72.8	63.2	48.0	—	59.3
<b>Rhode Island</b>												
November 1999 .....	86.0	85.5	79.7	75.5	—	77.0	94.2	94.0	85.4	77.3	—	81.6
October 1999 .....	85.1	84.4	80.1	72.1	W	74.2	93.2	92.9	85.4	74.3	—	80.0
November 1998 .....	56.7	56.6	54.5	47.0	W	48.6	66.3	66.0	61.3	48.2	—	54.5
<b>Subdistrict IB</b>												
November 1999 .....	88.1	85.7	82.2	72.8	65.2	74.6	96.8	94.8	88.9	77.5	NA	85.4
October 1999 .....	87.7	84.9	82.0	70.0	65.3	74.4	96.0	93.9	88.8	75.0	NA	84.5
November 1998 .....	59.9	59.5	55.8	45.1	40.3	48.3	69.9	69.2	62.0	49.6	—	58.3
<b>Delaware</b>												
November 1999 .....	86.6	83.7	79.8	71.7	—	74.4	96.7	94.6	87.2	75.7	—	80.6
October 1999 .....	86.2	82.9	78.7	69.5	—	72.9	96.4	94.3	85.1	73.4	—	78.8
November 1998 .....	58.1	57.5	53.4	44.9	—	48.8	69.1	68.2	60.4	48.4	—	54.7
<b>District of Columbia</b>												
November 1999 .....	W	80.4	84.0	—	—	84.0	W	93.2	89.4	—	—	89.4
October 1999 .....	W	78.2	83.5	—	—	83.5	W	89.1	89.0	—	—	89.0
November 1998 .....	W	53.6	58.3	—	—	58.3	W	64.7	NA	—	—	NA
<b>Maryland</b>												
November 1999 .....	82.9	80.1	79.8	73.1	—	77.3	92.2	88.7	86.5	77.4	—	84.0
October 1999 .....	81.3	78.2	79.0	70.5	—	75.9	90.4	87.1	85.9	75.2	—	82.9
November 1998 .....	57.5	56.3	54.5	43.6	W	50.6	68.2	66.0	60.6	48.4	—	57.7
<b>New Jersey</b>												
November 1999 .....	89.8	86.3	81.9	72.3	64.9	71.5	99.9	98.5	89.4	78.2	—	85.5
October 1999 .....	89.3	85.4	81.2	69.2	65.3	71.7	99.3	97.8	88.7	75.5	—	84.0
November 1998 .....	62.2	62.1	56.8	45.3	40.2	46.1	72.8	72.7	62.7	50.0	—	58.0
<b>New York</b>												
November 1999 .....	92.4	92.0	87.0	74.8	70.3	81.2	99.6	97.8	93.4	78.9	NA	89.9
October 1999 .....	92.1	91.5	88.0	71.5	65.3	79.7	98.5	96.9	94.4	76.3	NA	90.2
November 1998 .....	62.9	62.5	59.0	46.2	42.3	52.8	72.4	71.4	65.5	51.3	—	62.6

See footnotes at end of table.

**Table 34. Reformulated Motor Gasoline Prices by Grade, Sales Type, PAD District, and Selected States**

(Cents per Gallon Excluding Taxes) — Continued

Geographic Area Month	Premium						All Grades					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average
<b>United States</b>												
November 1999 .....	103.5	102.1	95.9	82.8	71.3	88.3	90.5	89.9	85.5	75.8	69.0	79.5
October 1999 .....	103.0	101.6	95.7	79.4	70.5	87.4	89.9	89.1	85.2	72.2	67.9	78.0
November 1998 .....	80.1	79.3	70.7	54.5	46.1	63.0	67.2	66.6	61.8	48.2	43.8	54.4
<b>PAD District I</b>												
November 1999 .....	103.5	100.4	95.4	81.3	70.0	87.0	92.0	90.2	86.4	74.9	66.7	78.7
October 1999 .....	102.8	99.7	95.4	78.5	69.6	86.6	91.3	89.4	86.0	72.1	66.7	77.7
November 1998 .....	77.8	76.6	68.3	53.3	44.5	61.2	65.2	64.5	59.9	47.3	41.4	52.5
<b>Subdistrict IA</b>												
November 1999 .....	106.1	104.3	93.5	81.7	69.5	85.0	93.2	92.5	85.2	74.6	69.1	78.3
October 1999 .....	105.0	103.3	92.5	78.8	69.4	83.7	92.6	91.7	84.1	71.8	67.7	76.0
November 1998 .....	79.8	77.8	66.9	54.2	W	59.9	65.3	64.5	57.9	47.8	43.4	51.9
<b>Connecticut</b>												
November 1999 .....	106.8	104.9	95.6	82.2	69.7	86.1	93.7	92.8	87.2	75.1	70.4	79.1
October 1999 .....	105.9	104.1	95.3	79.4	71.4	84.6	93.1	92.0	86.9	72.1	69.5	76.7
November 1998 .....	81.3	80.1	68.2	55.2	—	61.9	66.3	65.7	57.8	47.9	NA	53.2
<b>Maine</b>												
November 1999 .....	—	—	—	—	—	—	—	—	—	—	—	—
October 1999 .....	—	—	—	—	—	—	—	—	—	—	—	—
November 1998 .....	81.6	80.7	64.5	53.5	—	56.4	65.8	65.5	56.1	47.9	W	49.3
<b>Massachusetts</b>												
November 1999 .....	106.2	104.2	92.6	80.9	W	84.1	93.5	92.7	84.7	73.9	W	77.6
October 1999 .....	104.9	102.9	91.1	78.0	W	83.0	92.8	91.9	83.0	71.3	66.4	75.4
November 1998 .....	78.8	75.9	66.1	53.8	W	59.3	65.0	63.7	57.8	47.7	W	51.4
<b>New Hampshire</b>												
November 1999 .....	106.9	106.5	94.7	79.4	W	84.9	93.6	93.4	85.4	73.6	W	79.9
October 1999 .....	106.5	106.4	93.4	75.2	W	82.7	93.4	93.2	84.2	69.5	W	76.4
November 1998 .....	81.7	81.6	68.7	52.3	—	62.4	66.8	66.7	59.5	47.0	—	54.5
<b>Rhode Island</b>												
November 1999 .....	101.0	99.9	92.2	84.0	—	87.1	89.0	88.5	82.7	77.1	—	79.2
October 1999 .....	100.5	99.1	92.4	81.0	—	85.1	88.1	87.5	82.9	73.7	W	76.3
November 1998 .....	74.8	74.5	67.7	53.9	—	58.6	60.8	60.6	58.2	48.5	W	51.1
<b>Subdistrict IB</b>												
November 1999 .....	103.4	99.5	96.4	80.7	70.3	87.8	92.7	89.9	87.2	75.0	66.1	78.8
October 1999 .....	102.8	98.9	96.6	78.1	69.7	87.7	92.1	89.1	87.1	72.3	66.1	78.7
November 1998 .....	77.6	76.7	69.0	53.0	44.1	61.9	65.9	65.3	61.0	47.5	40.8	52.9
<b>Delaware</b>												
November 1999 .....	104.0	99.6	92.5	80.5	—	84.8	90.5	87.4	82.8	73.4	—	76.7
October 1999 .....	105.2	100.5	91.6	78.0	—	83.4	90.4	86.9	81.5	71.1	—	75.1
November 1998 .....	77.6	76.4	67.6	53.7	—	60.2	62.9	62.2	57.0	46.9	—	51.6
<b>District of Columbia</b>												
November 1999 .....	W	97.7	95.9	—	—	95.9	W	85.9	89.7	—	—	89.7
October 1999 .....	W	94.1	95.7	—	—	95.7	W	83.0	89.4	—	—	89.4
November 1998 .....	W	68.2	NA	—	—	NA	W	59.5	NA	—	—	NA
<b>Maryland</b>												
November 1999 .....	96.4	91.0	92.0	82.3	—	88.9	86.6	83.4	83.7	75.5	—	80.9
October 1999 .....	95.3	90.0	91.5	80.1	W	87.7	85.0	81.5	82.9	73.0	W	79.5
November 1998 .....	73.4	71.4	65.0	53.0	—	61.8	62.4	60.8	58.4	46.2	W	54.5
<b>New Jersey</b>												
November 1999 .....	106.7	100.8	96.0	79.7	69.9	84.0	94.9	91.1	86.7	74.5	65.7	75.0
October 1999 .....	105.7	99.9	95.6	76.9	71.2	85.7	94.2	90.2	86.1	71.5	65.9	75.5
November 1998 .....	80.9	80.7	70.4	52.3	42.9	59.5	68.4	68.3	61.8	47.5	40.5	49.9
<b>New York</b>												
November 1999 .....	103.8	102.8	100.4	81.4	71.6	92.6	96.4	95.7	92.9	77.0	70.6	86.2
October 1999 .....	103.5	102.5	101.7	79.0	68.8	89.9	96.0	95.2	94.0	73.9	67.2	84.5
November 1998 .....	77.6	76.6	71.6	53.7	48.3	65.6	69.1	68.4	65.4	48.7	45.3	58.8

See footnotes at end of table.

**Table 34. Reformulated Motor Gasoline Prices by Grade, Sales Type, PAD District, and Selected States**  
(Cents per Gallon Excluding Taxes) — Continued

Geographic Area Month	Regular						Midgrade					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average
<b>Pennsylvania</b>												
November 1999 .....	83.4	82.1	78.9	71.6	W	76.1	92.8	91.3	83.3	75.3	—	80.4
October 1999 .....	84.1	82.3	79.1	69.5	W	75.4	92.5	90.7	83.3	72.9	—	79.5
November 1998 .....	55.6	55.3	50.6	44.6	—	48.3	66.1	65.8	56.1	48.9	—	53.4
<b>Subdistrict IC</b>												
November 1999 .....	83.0	82.5	79.6	72.9	W	75.3	91.7	90.9	85.1	77.4	—	81.7
October 1999 .....	81.9	81.3	78.9	69.3	W	72.7	90.7	90.1	84.4	74.3	—	79.7
November 1998 .....	57.2	56.7	53.9	42.6	—	47.4	67.4	66.6	59.7	46.9	—	54.2
<b>Virginia</b>												
November 1999 .....	83.0	82.5	79.6	72.9	—	75.4	91.7	90.9	85.1	77.4	—	81.7
October 1999 .....	81.9	81.3	78.9	69.3	—	72.9	90.7	90.1	84.4	74.3	—	79.7
November 1998 .....	57.2	56.7	53.9	42.6	—	47.4	67.4	66.6	59.7	46.9	—	54.2
<b>PAD District II</b>												
November 1999 .....	86.9	86.8	81.8	75.9	W	78.4	97.4	97.1	90.1	80.2	—	87.2
October 1999 .....	83.5	83.4	78.9	69.4	W	73.4	94.3	93.9	88.7	73.7	—	84.0
November 1998 .....	62.0	61.8	53.6	46.7	—	50.1	72.1	71.7	61.4	49.9	—	57.7
<b>Illinois</b>												
November 1999 .....	88.0	87.9	83.2	74.8	—	78.8	98.2	97.6	90.7	78.3	—	88.1
October 1999 .....	84.9	84.7	82.5	67.8	W	74.3	95.2	94.5	90.5	71.4	—	86.1
November 1998 .....	63.9	63.6	55.6	46.8	—	51.9	73.9	73.3	62.5	50.2	—	60.1
<b>Indiana</b>												
November 1999 .....	85.7	85.7	79.8	75.4	—	76.8	97.5	97.4	86.6	79.7	—	83.0
October 1999 .....	82.4	82.4	77.2	68.7	—	71.4	94.2	94.0	84.2	72.9	—	78.1
November 1998 .....	57.2	57.4	53.3	46.9	—	49.3	67.2	67.0	59.1	50.3	—	53.4
<b>Kentucky</b>												
November 1999 .....	90.5	89.9	82.2	82.1	—	82.1	100.3	100.3	85.8	84.8	—	85.0
October 1999 .....	84.8	84.6	77.9	76.3	—	76.7	96.1	96.0	82.3	79.0	—	79.8
November 1998 .....	58.5	58.4	50.3	45.2	—	47.5	69.1	69.1	56.2	48.3	—	51.9
<b>Missouri</b>												
November 1999 .....	77.3	77.2	81.8	74.2	W	77.9	88.6	88.6	91.2	79.4	—	89.5
October 1999 .....	76.5	76.3	76.2	68.4	—	72.6	86.6	86.6	86.7	73.0	—	84.9
November 1998 .....	—	—	—	—	—	—	—	—	—	—	—	—
<b>Wisconsin</b>												
November 1999 .....	87.2	87.1	79.4	75.5	—	77.2	96.2	96.3	87.6	79.3	—	84.0
October 1999 .....	82.4	82.6	74.3	69.3	—	71.5	91.3	91.5	83.2	73.1	—	78.9
November 1998 .....	59.7	59.7	49.9	47.3	—	48.3	68.7	68.9	58.5	50.9	—	54.8
<b>PAD District III</b>												
November 1999 .....	79.2	79.7	76.8	70.7	67.5	70.7	89.7	89.6	81.9	74.9	—	77.0
October 1999 .....	79.9	80.1	76.8	66.4	67.2	67.8	90.2	90.0	81.7	70.1	—	73.7
November 1998 .....	55.0	54.9	53.0	40.9	38.8	42.5	67.2	67.1	58.9	45.2	—	49.4
<b>Texas</b>												
November 1999 .....	79.2	79.7	76.8	70.7	67.8	70.8	89.7	89.6	81.9	74.9	—	77.0
October 1999 .....	79.9	80.1	76.8	66.4	67.4	67.9	90.2	90.0	81.7	70.1	—	73.7
November 1998 .....	55.0	54.9	53.0	40.9	38.7	42.7	67.2	67.1	58.9	45.2	—	49.4
<b>PAD District V</b>												
November 1999 .....	87.7	87.6	81.5	76.7	73.5	79.0	95.6	95.5	85.9	82.6	W	85.2
October 1999 .....	87.6	87.4	82.0	74.7	69.9	78.4	96.2	96.1	86.8	81.1	W	85.8
November 1998 .....	66.9	66.2	61.6	52.4	48.1	56.6	77.0	76.6	67.7	57.4	W	65.7
<b>Arizona</b>												
November 1999 .....	NA	NA	NA	76.1	—	NA	NA	NA	NA	NA	—	NA
October 1999 .....	81.8	81.3	NA	NA	—	NA	92.8	92.8	NA	81.5	—	NA
November 1998 .....	63.8	63.8	W	NA	—	56.3	73.7	73.7	61.5	58.7	—	60.1
<b>California</b>												
November 1999 .....	88.0	87.9	81.6	76.8	73.5	79.0	95.6	95.6	86.0	82.6	W	85.3
October 1999 .....	88.7	88.5	82.3	74.8	69.9	78.5	96.6	96.5	87.0	81.1	W	86.0
November 1998 .....	67.2	66.4	61.6	52.4	48.1	56.6	77.2	76.8	67.7	57.4	W	65.7

See footnotes at end of table.

**Table 34. Reformulated Motor Gasoline Prices by Grade, Sales Type, PAD District, and Selected States**  
(Cents per Gallon Excluding Taxes) — Continued

Geographic Area Month	Premium						All Grades					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average	Through Retail Outlets	Average <sup>a</sup>	DTW	Rack	Bulk	Average
<b>Pennsylvania</b>												
November 1999 .....	99.7	96.4	90.0	80.2	—	86.9	87.9	86.1	81.9	73.7	W	78.9
October 1999 .....	99.6	96.0	90.6	78.7	—	86.7	88.2	86.0	82.1	71.7	W	78.2
November 1998 .....	73.9	73.0	62.5	53.9	W	59.2	61.3	60.9	54.4	47.0	W	51.6
<b>Subdistrict IC</b>												
November 1999 .....	100.0	98.2	91.5	83.0	W	86.1	87.5	86.8	83.7	75.3	W	78.7
October 1999 .....	99.3	97.8	91.0	79.7	—	85.4	86.4	85.7	83.0	71.9	W	76.5
November 1998 .....	74.9	74.1	65.4	52.3	—	59.7	62.7	62.1	58.4	45.2	—	51.6
<b>Virginia</b>												
November 1999 .....	100.0	98.2	91.5	83.0	—	87.3	87.5	86.8	83.7	75.3	—	78.9
October 1999 .....	99.3	97.8	91.0	79.7	—	85.4	86.4	85.7	83.0	71.9	—	76.6
November 1998 .....	74.9	74.1	65.4	52.3	—	59.7	62.7	62.1	58.4	45.2	—	51.6
<b>PAD District II</b>												
November 1999 .....	106.7	105.7	96.7	85.0	—	91.3	90.9	90.7	85.8	77.4	W	81.4
October 1999 .....	103.7	103.0	95.6	78.6	W	87.4	87.7	87.5	83.3	71.0	W	76.7
November 1998 .....	80.3	79.6	67.2	56.0	—	62.8	66.4	66.0	57.8	48.5	—	53.5
<b>Illinois</b>												
November 1999 .....	108.0	107.3	98.7	83.4	—	92.6	92.2	92.0	87.9	76.4	—	82.6
October 1999 .....	105.1	104.5	99.0	76.9	W	89.6	89.3	89.0	87.5	69.5	W	78.7
November 1998 .....	81.8	80.9	68.9	56.0	—	65.0	68.5	68.1	60.0	48.7	—	56.0
<b>Indiana</b>												
November 1999 .....	107.5	107.2	93.4	84.9	—	88.3	90.4	90.4	83.2	77.2	—	79.3
October 1999 .....	104.3	104.0	92.0	78.6	—	84.0	87.1	87.1	80.9	70.5	—	74.1
November 1998 .....	75.4	74.5	66.0	56.8	—	60.9	61.4	61.3	56.6	48.9	—	51.9
<b>Kentucky</b>												
November 1999 .....	109.3	104.9	94.3	91.7	—	92.4	94.1	93.3	84.7	83.8	—	84.0
October 1999 .....	105.1	103.4	90.1	85.8	—	87.0	89.0	88.8	80.5	77.9	—	78.6
November 1998 .....	78.7	78.6	63.6	54.7	—	58.8	63.2	63.0	53.4	47.2	—	50.0
<b>Missouri</b>												
November 1999 .....	95.5	95.5	95.2	83.2	—	90.8	80.8	80.6	85.0	75.4	W	80.5
October 1999 .....	93.0	92.9	92.5	76.8	—	86.1	79.5	79.3	79.7	69.5	—	75.4
November 1998 .....	—	—	—	—	—	—	—	—	—	—	—	—
<b>Wisconsin</b>												
November 1999 .....	103.5	102.9	91.3	85.3	—	88.1	89.4	89.3	81.4	76.7	—	78.8
October 1999 .....	98.0	98.0	85.8	79.1	—	82.3	84.6	84.8	76.3	70.5	—	73.2
November 1998 .....	74.8	74.8	60.2	56.7	—	58.3	62.2	62.2	52.3	48.7	—	50.1
<b>PAD District III</b>												
November 1999 .....	97.0	97.2	87.9	80.3	68.3	77.8	83.8	83.9	80.0	72.8	67.7	72.6
October 1999 .....	97.1	97.2	88.6	76.0	NA	75.7	84.3	84.3	80.0	68.4	67.4	69.8
November 1998 .....	74.7	74.7	65.7	50.1	43.0	51.0	60.6	60.5	56.7	43.2	40.2	45.1
<b>Texas</b>												
November 1999 .....	97.0	97.2	87.9	80.3	NA	80.5	83.8	83.9	80.0	72.8	68.4	73.0
October 1999 .....	97.1	97.2	88.6	76.0	W	77.7	84.3	84.3	80.0	68.4	67.7	69.9
November 1998 .....	74.7	74.7	65.7	50.1	43.2	51.1	60.6	60.5	56.7	43.2	40.4	45.3
<b>PAD District V</b>												
November 1999 .....	105.0	104.7	96.9	88.3	81.6	94.0	91.7	91.5	85.0	78.8	74.2	82.1
October 1999 .....	105.3	104.8	96.9	86.4	77.0	93.4	91.7	91.4	85.4	76.7	70.6	81.6
November 1998 .....	85.2	84.3	76.3	63.1	52.0	71.4	71.7	70.9	65.6	54.4	48.6	60.3
<b>Arizona</b>												
November 1999 .....	NA	NA	NA	88.2	—	93.0	NA	NA	NA	78.4	—	NA
October 1999 .....	104.7	104.6	90.4	87.3	—	89.6	85.9	85.4	NA	NA	—	NA
November 1998 .....	83.4	83.4	W	65.8	—	69.7	68.2	68.2	W	NA	—	59.7
<b>California</b>												
November 1999 .....	104.8	104.4	96.9	88.3	81.6	94.0	92.0	91.8	85.1	78.8	74.2	82.1
October 1999 .....	105.4	104.9	97.1	86.4	77.0	93.5	92.7	92.3	85.7	76.7	70.6	81.7
November 1998 .....	85.3	84.3	76.3	63.1	52.0	71.4	72.0	71.1	65.6	54.4	48.6	60.3

Dash (—) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

<sup>a</sup> Includes sales through retail outlets as well as all direct sales to end users that were not made through company-operated retail outlets, e.g., sales to agricultural customers, commercial sales, and industrial sales.

Sources: Energy Information Administration Forms EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report," and EIA-782B, "Resellers'/Retailers' Monthly Petroleum Product Sales Report."

Notes: Values shown for the current month are preliminary. Values shown for previous months are revised. Data are final upon publication in the *Petroleum Marketing Annual*.

**Table 35. Refiner Motor Gasoline Prices by Grade, Sales Type, PAD District, and State**  
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Regular			Midgrade			Premium			All Grades		
	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale
	Through Retail Outlets	Other End Users <sup>a</sup>		Through Retail Outlets	Other End Users <sup>a</sup>		Through Retail Outlets	Other End Users <sup>a</sup>		Through Retail Outlets	Other End Users <sup>a</sup>	
United States												
November 1999 .....	84.7	71.7	72.8	94.6	75.2	80.2	102.6	79.8	84.5	88.7	73.1	75.4
October 1999 .....	83.4	69.8	69.7	93.7	73.5	77.6	101.9	78.7	81.6	87.6	71.3	72.3
November 1998 .....	59.5	46.1	44.7	69.9	48.8	53.2	77.8	54.1	56.9	64.2	47.5	47.8
PAD District I												
November 1999 .....	81.9	69.2	73.0	92.0	72.1	80.4	100.7	76.4	84.9	86.8	70.4	76.2
October 1999 .....	81.6	67.5	69.8	91.7	71.6	77.6	100.4	75.4	82.8	86.5	68.9	73.1
November 1998 .....	56.5	42.9	44.4	67.0	45.8	51.6	75.2	50.0	57.1	62.3	44.3	48.1
Subdistrict IA												
November 1999 .....	NA	75.7	77.0	NA	W	84.6	NA	W	85.8	NA	75.8	79.2
October 1999 .....	NA	75.8	74.4	NA	W	83.2	NA	W	84.4	NA	76.8	76.8
November 1998 .....	64.2	48.1	49.7	75.4	W	58.1	83.8	—	61.4	70.4	48.4	52.8
Connecticut												
November 1999 .....	W	W	77.5	W	W	84.9	W	W	86.5	W	W	79.9
October 1999 .....	W	W	74.7	W	W	83.5	W	—	85.2	W	W	77.2
November 1998 .....	W	W	50.3	W	W	58.3	W	—	62.5	W	W	53.8
Maine												
November 1999 .....	—	—	74.1	—	—	77.9	—	—	83.5	—	—	75.3
October 1999 .....	—	—	71.2	—	—	75.0	—	—	NA	—	—	72.1
November 1998 .....	—	—	46.1	—	—	50.4	—	—	55.0	—	—	47.7
Massachusetts												
November 1999 .....	93.4	W	77.4	101.7	—	86.4	109.7	—	85.5	97.6	W	79.7
October 1999 .....	NA	W	75.1	101.5	—	85.3	NA	—	85.7	97.5	W	77.8
November 1998 .....	65.0	49.0	50.4	75.7	W	59.8	84.1	—	61.8	70.9	49.5	53.5
New Hampshire												
November 1999 .....	NA	—	78.4	NA	—	85.4	NA	—	84.6	NA	—	80.1
October 1999 .....	NA	—	75.7	NA	—	83.7	NA	—	83.4	NA	—	77.4
November 1998 .....	64.2	W	53.2	76.0	—	60.0	83.6	—	65.5	69.7	W	56.1
Rhode Island												
November 1999 .....	86.4	NA	76.8	95.6	—	81.5	W	—	87.1	90.4	NA	79.1
October 1999 .....	86.7	NA	74.0	95.7	—	79.9	W	—	85.1	90.8	NA	76.2
November 1998 .....	60.7	W	48.1	70.0	—	56.0	W	—	59.9	66.1	W	51.0
Vermont												
November 1999 .....	—	—	NA	—	—	NA	—	—	NA	—	—	NA
October 1999 .....	—	W	NA	—	W	NA	—	W	NA	—	W	NA
November 1998 .....	—	—	49.0	—	—	55.4	—	—	59.7	—	—	51.3
Subdistrict IB												
November 1999 .....	84.7	71.5	73.3	94.2	75.3	84.0	103.1	79.2	86.5	89.3	72.9	77.0
October 1999 .....	85.4	70.6	71.5	94.6	75.3	82.9	103.6	78.7	86.2	89.9	72.1	75.5
November 1998 .....	58.3	46.1	46.7	68.4	48.7	56.2	78.2	52.9	60.5	64.1	47.2	50.9
Delaware												
November 1999 .....	89.0	63.9	75.4	100.5	—	80.9	109.5	W	86.7	94.5	65.2	77.8
October 1999 .....	89.6	64.3	74.1	100.2	W	79.7	109.9	W	85.6	94.9	65.7	76.5
November 1998 .....	61.7	48.7	48.7	75.4	W	54.1	84.7	W	60.4	68.8	49.4	51.5
District of Columbia												
November 1999 .....	—	W	84.1	—	W	89.4	—	W	96.0	—	71.9	89.8
October 1999 .....	—	W	83.6	—	W	89.0	—	W	95.7	—	71.6	89.4
November 1998 .....	—	44.0	58.4	—	W	NA	—	W	NA	—	46.0	NA
Maryland												
November 1999 .....	—	70.1	77.0	—	72.5	83.6	—	78.1	89.3	—	71.3	80.6
October 1999 .....	—	69.6	75.3	—	W	82.3	—	77.0	87.8	—	70.8	78.9
November 1998 .....	—	43.7	49.4	—	47.0	56.7	—	51.5	61.1	—	45.4	53.4
New Jersey												
November 1999 .....	90.3	W	70.9	100.4	W	86.4	108.3	W	NA	96.0	W	74.7
October 1999 .....	90.4	W	69.7	100.4	W	85.4	108.0	W	88.3	95.9	W	73.8
November 1998 .....	63.0	46.1	46.3	74.5	W	58.5	83.0	W	60.9	70.2	47.0	50.6
New York												
November 1999 .....	84.2	W	77.0	94.7	NA	87.5	102.1	80.9	91.1	88.5	76.3	81.5
October 1999 .....	85.0	74.5	75.1	94.9	NA	87.5	102.8	80.3	88.8	89.1	75.7	79.7
November 1998 .....	57.6	W	49.0	68.2	51.5	59.8	77.4	57.7	64.6	63.0	50.5	54.3
Pennsylvania												
November 1999 .....	82.4	75.1	71.6	91.3	W	78.1	99.5	W	79.8	86.5	76.0	73.6
October 1999 .....	83.3	70.7	68.8	91.9	W	76.1	100.2	W	78.0	87.2	71.5	71.0
November 1998 .....	56.1	43.2	43.5	65.3	W	50.0	74.2	51.7	53.6	61.1	44.0	46.1

See footnotes at end of table.

**Table 35. Refiner Motor Gasoline Prices by Grade, Sales Type, PAD District, and State**  
(Cents per Gallon Excluding Taxes) — Continued

Geographic Area Month	Regular			Midgrade			Premium			All Grades		
	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale
	Through Retail Outlets	Other End Users <sup>a</sup>		Through Retail Outlets	Other End Users <sup>a</sup>		Through Retail Outlets	Other End Users <sup>a</sup>		Through Retail Outlets	Other End Users <sup>a</sup>	
Subdistrict IC												
November 1999 .....	79.4	68.3	71.6	90.1	70.8	77.6	98.5	75.8	83.0	84.6	69.6	74.7
October 1999 .....	78.4	66.3	66.6	89.4	69.9	73.4	97.7	74.4	79.1	83.7	67.7	69.9
November 1998 .....	54.9	41.8	41.0	65.7	45.0	47.6	73.0	49.4	53.1	60.7	43.5	44.6
Florida												
November 1999 .....	81.0	68.6	72.8	92.8	69.2	80.2	100.0	75.4	86.1	86.7	69.3	76.8
October 1999 .....	80.4	65.8	68.3	92.3	69.0	76.6	99.3	73.5	82.7	86.2	66.8	72.6
November 1998 .....	56.0	41.6	42.5	67.6	45.6	49.8	73.7	48.7	55.9	62.3	43.2	46.9
Georgia												
November 1999 .....	76.9	W	70.3	86.8	70.3	76.0	96.3	75.1	80.8	82.1	68.9	73.0
October 1999 .....	76.0	65.5	64.9	86.6	68.9	71.2	95.9	73.1	76.5	81.4	67.1	67.8
November 1998 .....	53.2	40.7	39.6	63.4	43.8	46.3	72.0	W	50.6	59.0	43.0	42.7
North Carolina												
November 1999 .....	76.8	67.8	70.5	84.7	71.6	75.0	96.2	76.3	80.7	81.1	69.3	73.1
October 1999 .....	76.0	66.4	64.6	86.6	67.9	69.3	95.9	74.9	74.7	80.8	67.8	67.0
November 1998 .....	52.9	41.8	39.3	63.3	43.6	44.0	70.9	49.1	49.5	58.2	42.9	42.1
South Carolina												
November 1999 .....	76.4	67.7	70.6	87.0	W	75.2	96.2	W	81.0	80.8	69.2	73.0
October 1999 .....	75.8	65.9	64.9	86.4	W	69.6	95.6	75.2	75.4	80.1	67.9	67.2
November 1998 .....	51.2	41.7	39.1	61.2	W	44.4	69.8	W	49.5	56.1	43.5	41.9
Virginia												
November 1999 .....	79.5	69.4	72.7	89.4	W	78.6	97.0	W	83.5	84.4	71.1	75.8
October 1999 .....	78.5	69.0	69.2	88.7	W	76.0	96.2	W	81.6	83.5	70.7	72.6
November 1998 .....	57.0	43.1	43.1	67.5	W	50.0	73.5	W	55.6	62.4	45.2	46.9
West Virginia												
November 1999 .....	82.8	74.2	71.8	92.2	W	76.6	101.3	W	82.2	85.9	75.5	74.2
October 1999 .....	77.5	69.2	67.2	86.9	W	72.9	95.6	W	77.8	80.7	70.3	69.6
November 1998 .....	56.3	46.6	43.0	65.7	W	50.2	74.8	W	54.6	60.1	48.1	45.9
PAD District II												
November 1999 .....	85.4	73.1	71.8	95.2	82.2	78.2	102.2	82.8	83.1	88.6	75.0	73.7
October 1999 .....	80.8	69.7	67.0	90.6	75.9	73.8	98.7	80.4	78.3	84.1	71.6	68.8
November 1998 .....	57.7	48.0	41.9	67.0	51.7	49.3	74.7	56.2	52.8	61.4	49.2	44.0
Illinois												
November 1999 .....	87.6	69.3	74.0	97.7	W	85.7	107.7	W	89.5	92.1	70.4	77.3
October 1999 .....	84.8	64.9	69.7	95.1	W	83.0	105.3	W	85.3	89.4	65.9	73.3
November 1998 .....	62.8	NA	44.8	72.0	NA	56.1	80.3	NA	60.3	67.2	NA	48.5
Indiana												
November 1999 .....	85.0	73.5	72.2	94.1	—	77.1	102.4	W	82.6	88.1	73.6	74.0
October 1999 .....	80.2	69.8	66.4	88.9	—	71.2	96.8	W	76.9	83.2	69.9	68.3
November 1998 .....	57.3	41.8	41.8	65.3	—	47.2	72.8	W	53.2	60.7	41.9	44.1
Iowa												
November 1999 .....	76.3	W	70.1	W	—	73.3	85.1	—	79.8	77.2	W	71.1
October 1999 .....	75.8	W	66.0	W	—	69.4	83.9	—	75.7	77.0	W	67.0
November 1998 .....	52.2	43.8	40.8	W	—	46.2	61.3	NA	50.0	53.4	44.3	41.9
Kansas												
November 1999 .....	78.8	70.3	67.9	84.5	—	74.9	91.9	W	76.4	80.7	70.4	68.8
October 1999 .....	77.7	65.2	64.2	84.2	W	72.5	91.4	W	73.0	79.8	W	65.1
November 1998 .....	52.0	46.2	38.8	59.9	W	46.4	66.5	46.1	46.0	54.4	46.2	39.7
Kentucky												
November 1999 .....	91.7	72.6	74.9	102.3	W	79.7	111.4	W	84.8	95.1	76.9	76.8
October 1999 .....	84.9	70.2	68.9	97.3	W	73.6	106.4	W	78.7	89.0	74.4	70.8
November 1998 .....	60.0	49.0	42.2	71.0	47.5	46.8	80.1	52.7	52.4	64.8	49.4	44.6
Michigan												
November 1999 .....	82.3	71.4	73.1	91.0	W	77.9	99.1	80.2	84.4	84.5	72.9	74.7
October 1999 .....	77.3	70.5	66.8	86.4	69.3	72.4	94.6	W	78.3	79.7	73.0	68.5
November 1998 .....	55.1	NA	42.7	63.7	W	49.5	71.3	W	54.5	57.7	NA	44.9
Minnesota												
November 1999 .....	90.5	W	72.8	97.2	W	74.9	104.7	W	81.4	92.4	W	73.7
October 1999 .....	87.6	W	69.7	94.2	W	72.1	101.7	—	78.7	89.6	W	70.7
November 1998 .....	64.4	49.2	44.8	69.7	—	49.0	77.0	—	52.7	66.4	49.2	46.1
Missouri												
November 1999 .....	78.2	65.0	71.2	89.5	W	82.8	98.4	W	81.5	81.4	W	72.9
October 1999 .....	77.5	W	67.3	87.8	W	79.5	96.6	W	77.6	80.4	W	69.1
November 1998 .....	52.2	NA	40.0	62.1	W	47.7	71.0	W	49.3	56.0	NA	41.6

See footnotes at end of table.

**Table 35. Refiner Motor Gasoline Prices by Grade, Sales Type, PAD District, and State**  
(Cents per Gallon Excluding Taxes) — Continued

Geographic Area Month	Regular			Midgrade			Premium			All Grades		
	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale
	Through Retail Outlets	Other End Users <sup>a</sup>		Through Retail Outlets	Other End Users <sup>a</sup>		Through Retail Outlets	Other End Users <sup>a</sup>		Through Retail Outlets	Other End Users <sup>a</sup>	
Nebraska												
November 1999 .....	73.6	70.5	69.6	W	—	73.1	W	—	79.2	74.8	70.5	70.5
October 1999 .....	74.4	66.0	66.1	W	—	70.0	W	—	75.9	75.5	66.0	67.0
November 1998 .....	52.2	W	40.8	W	—	48.3	W	—	49.8	53.8	W	41.8
North Dakota												
November 1999 .....	W	W	71.0	W	—	77.2	W	—	81.2	W	W	71.8
October 1999 .....	W	W	68.6	W	—	74.8	W	—	79.1	W	W	69.4
November 1998 .....	W	W	43.0	W	—	NA	W	—	52.3	W	W	44.0
Ohio												
November 1999 .....	90.1	77.4	74.9	99.9	W	79.1	109.1	86.2	86.3	93.3	79.1	76.6
October 1999 .....	81.0	72.5	68.4	91.0	W	74.0	100.5	W	79.6	84.4	73.8	70.3
November 1998 .....	59.5	W	44.4	69.2	W	51.3	78.8	57.0	56.7	63.4	W	46.8
Oklahoma												
November 1999 .....	75.7	66.4	65.0	83.2	W	70.2	90.8	W	73.2	78.7	67.6	65.9
October 1999 .....	76.7	65.9	62.4	84.0	W	66.3	91.7	W	70.3	79.7	67.0	63.1
November 1998 .....	49.0	44.1	38.1	56.1	W	40.1	60.9	W	44.2	51.8	44.8	38.9
South Dakota												
November 1999 .....	85.5	W	70.8	W	—	75.5	93.0	—	80.1	85.6	W	71.6
October 1999 .....	87.7	72.5	68.2	W	—	72.4	96.3	—	78.3	88.3	72.5	69.0
November 1998 .....	56.1	41.9	42.5	W	—	49.1	73.6	—	52.2	59.4	41.9	43.5
Tennessee												
November 1999 .....	77.1	69.1	70.8	87.8	W	75.5	93.7	74.2	80.9	81.7	69.8	73.3
October 1999 .....	77.7	65.2	64.9	88.9	70.3	70.0	94.8	73.8	75.4	82.7	66.0	67.4
November 1998 .....	52.6	41.3	39.0	61.9	42.8	44.3	71.1	49.1	49.1	58.4	42.2	41.9
Wisconsin												
November 1999 .....	86.9	NA	73.1	95.5	W	76.9	103.3	W	83.5	89.0	NA	74.4
October 1999 .....	82.6	66.1	67.3	90.9	—	71.6	98.2	W	77.9	84.6	66.6	68.6
November 1998 .....	58.1	41.4	41.9	66.7	W	49.8	73.3	W	52.2	60.6	42.1	43.5
PAD District III												
November 1999 .....	79.9	67.9	68.3	90.2	71.0	75.4	96.8	74.8	76.9	84.1	69.2	70.1
October 1999 .....	80.4	65.6	64.7	90.8	68.1	71.3	97.6	72.4	72.2	84.7	66.7	66.4
November 1998 .....	55.4	NA	38.9	66.9	40.7	45.3	74.4	46.0	48.0	60.6	41.0	40.9
Alabama												
November 1999 .....	79.9	66.3	70.2	89.3	W	75.3	98.5	72.5	81.1	84.0	68.0	72.8
October 1999 .....	78.1	65.9	65.6	88.8	68.3	70.8	98.8	71.5	76.5	82.8	67.2	68.3
November 1998 .....	56.8	40.5	39.4	66.9	W	44.5	75.2	49.6	49.8	62.0	42.7	42.4
Arkansas												
November 1999 .....	76.2	W	69.4	86.4	W	74.2	94.1	W	78.4	79.3	W	70.9
October 1999 .....	77.0	W	64.6	86.8	—	69.2	95.0	W	73.7	80.3	W	66.2
November 1998 .....	51.9	W	38.8	61.6	W	43.5	70.8	W	49.0	56.1	W	40.9
Louisiana												
November 1999 .....	80.5	67.6	67.8	91.2	W	75.7	98.4	75.8	73.4	85.2	69.1	69.6
October 1999 .....	80.9	W	63.7	91.2	W	71.6	98.6	72.4	70.9	85.6	W	66.0
November 1998 .....	54.4	40.5	38.4	66.5	W	45.7	74.5	W	46.1	60.5	41.8	40.9
Mississippi												
November 1999 .....	78.5	67.7	68.2	89.6	71.1	74.8	93.5	75.2	77.9	82.1	69.0	70.3
October 1999 .....	78.4	64.2	64.1	89.3	67.4	69.3	94.2	71.7	73.4	82.1	65.5	66.1
November 1998 .....	52.4	41.3	38.1	62.7	43.2	42.9	69.5	49.4	48.1	56.7	42.9	40.6
New Mexico												
November 1999 .....	91.7	W	76.5	102.4	W	81.0	111.9	W	86.2	95.0	W	78.0
October 1999 .....	93.3	W	75.6	104.3	—	80.1	113.7	W	85.3	96.5	82.4	77.1
November 1998 .....	60.6	W	47.2	70.2	—	51.8	79.3	—	56.8	63.9	W	48.8
Texas												
November 1999 .....	78.9	69.6	67.7	89.3	70.5	75.3	96.0	79.5	76.5	83.2	71.2	69.3
October 1999 .....	79.4	68.0	64.2	90.1	W	71.7	96.7	73.7	71.1	83.8	68.4	65.7
November 1998 .....	55.2	NA	38.6	67.0	W	45.7	74.3	NA	47.8	60.6	NA	40.4
PAD District IV												
November 1999 .....	86.3	78.5	76.1	97.8	81.6	82.2	108.1	88.1	85.8	91.8	81.3	78.1
October 1999 .....	89.4	83.5	79.8	101.0	87.1	86.1	111.5	93.9	89.6	94.9	86.3	81.8
November 1998 .....	62.0	NA	50.9	74.5	NA	56.5	83.6	NA	60.7	68.2	NA	53.1
Colorado												
November 1999 .....	85.8	W	72.7	98.2	W	79.8	108.6	W	82.2	91.8	73.0	74.9
October 1999 .....	88.5	W	74.6	100.8	W	81.5	111.6	W	84.0	94.3	75.1	76.7
November 1998 .....	61.5	48.1	45.3	74.7	W	51.5	83.7	W	53.8	68.0	48.8	47.4

See footnotes at end of table.



**Table 35. Refiner Motor Gasoline Prices by Grade, Sales Type, PAD District, and State**  
(Cents per Gallon Excluding Taxes) — Continued

Geographic Area Month	Regular			Midgrade			Premium			All Grades		
	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale
	Through Retail Outlets	Other End Users <sup>a</sup>		Through Retail Outlets	Other End Users <sup>a</sup>		Through Retail Outlets	Other End Users <sup>a</sup>		Through Retail Outlets	Other End Users <sup>a</sup>	
Idaho												
November 1999 .....	91.1	W	81.7	99.9	—	86.0	109.0	W	91.7	93.0	W	83.1
October 1999 .....	95.2	91.6	87.5	104.5	—	91.6	113.6	W	97.8	97.2	93.1	88.9
November 1998 .....	68.3	W	56.2	76.9	NA	60.8	85.0	W	66.5	70.4	W	58.0
Montana												
November 1999 .....	W	W	75.3	W	—	80.0	W	—	87.4	W	W	77.4
October 1999 .....	W	W	78.5	W	—	W	W	88.3	89.8	W	83.5	80.4
November 1998 .....	W	W	53.4	W	—	57.6	W	W	65.4	W	W	55.8
Utah												
November 1999 .....	86.5	W	78.5	95.9	NA	84.0	106.0	W	88.1	91.5	81.5	80.9
October 1999 .....	91.4	85.4	84.5	101.3	89.8	89.9	111.1	W	94.5	96.5	88.2	86.8
November 1998 .....	61.6	NA	54.2	73.7	NA	60.3	83.1	NA	64.7	68.4	NA	57.0
Wyoming												
November 1999 .....	92.1	W	74.1	100.4	—	82.9	W	W	84.0	94.6	W	75.9
October 1999 .....	95.7	W	78.5	105.2	—	90.0	W	W	W	98.3	W	80.3
November 1998 .....	66.5	W	49.0	74.9	—	NA	W	W	59.3	69.6	W	50.9
PAD District V												
November 1999 .....	90.2	76.7	79.7	100.4	80.4	86.0	110.3	NA	94.0	94.3	77.5	82.7
October 1999 .....	89.9	77.7	79.6	100.2	80.3	86.9	110.0	NA	94.0	93.9	78.6	82.6
November 1998 .....	67.6	52.8	56.8	78.4	58.1	65.7	88.4	63.8	71.6	72.3	54.5	60.5
Alaska												
November 1999 .....	NA	NA	84.5	W	—	W	NA	W	97.3	NA	NA	NA
October 1999 .....	105.6	107.9	83.7	W	—	96.4	124.9	W	96.8	108.0	108.5	85.3
November 1998 .....	94.9	85.3	73.3	107.4	—	87.4	114.2	W	84.0	98.1	86.4	75.1
Arizona												
November 1999 .....	85.2	81.3	77.3	95.6	—	82.7	107.2	W	91.5	89.2	82.2	79.8
October 1999 .....	82.6	83.4	75.3	93.4	—	80.8	105.1	W	89.1	86.7	84.1	77.8
November 1998 .....	61.5	54.2	52.9	72.1	—	61.5	81.9	W	68.0	65.7	55.1	55.8
California												
November 1999 .....	91.1	77.7	79.1	100.6	W	85.2	109.9	W	94.0	95.1	78.5	82.3
October 1999 .....	91.0	77.4	78.6	100.5	W	86.1	109.8	W	93.8	95.0	78.5	81.9
November 1998 .....	69.1	51.4	57.7	79.9	58.3	66.4	89.2	63.7	71.6	73.9	52.9	61.5
Hawaii												
November 1999 .....	NA	W	87.3	106.0	NA	91.9	NA	W	W	NA	W	90.7
October 1999 .....	NA	W	87.3	106.0	W	91.8	NA	W	96.7	NA	W	90.6
November 1998 .....	106.2	W	90.7	110.2	W	97.2	119.2	W	103.1	110.1	W	95.0
Nevada												
November 1999 .....	88.5	80.3	81.6	101.0	—	88.4	W	W	94.7	93.3	80.4	84.3
October 1999 .....	87.1	82.1	81.1	100.6	—	87.7	W	W	94.1	91.8	82.2	83.6
November 1998 .....	64.0	57.3	56.2	75.4	—	64.0	84.9	—	68.7	69.0	57.3	59.2
Oregon												
November 1999 .....	97.7	W	78.3	110.7	—	86.6	W	NA	92.9	101.3	W	81.0
October 1999 .....	100.3	W	80.8	113.5	—	89.7	123.0	W	95.2	103.9	W	83.3
November 1998 .....	67.4	53.5	52.8	78.8	—	60.2	88.2	W	68.8	71.1	54.2	55.9
Washington												
November 1999 .....	90.4	W	82.8	103.6	—	89.8	114.5	—	95.1	94.9	W	85.2
October 1999 .....	91.6	W	84.5	105.0	—	91.9	116.1	—	96.8	96.1	W	86.9
November 1998 .....	61.1	W	53.5	72.9	—	61.8	82.8	—	69.0	65.7	W	56.6

Dash (—) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

<sup>a</sup> Sales to "other end users" are all end-user sales that were not made through company-operated retail outlets, e.g., sales to agricultural customers or utilities.

Source: Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."

Notes: Motor gasoline averages and totals prior to October 1993 include leaded gasoline.

Notes: Values shown for the current month are preliminary. Values shown for previous months are revised. Data are final upon publication in the *Petroleum Marketing Annual*.

**Table 36. Refiner Prices of Aviation Fuels and Kerosene by PAD District and State**  
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Aviation Gasoline		Kerosene-Type Jet Fuel		Kerosene	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
<b>United States</b>						
November 1999 .....	117.4	108.3	67.6	66.4	81.1	73.3
October 1999 .....	118.4	109.8	64.4	63.5	75.7	64.8
November 1998 .....	93.3	83.6	44.0	42.9	44.4	44.2
<b>PAD District I</b>						
November 1999 .....	117.1	108.7	66.3	66.1	78.8	72.3
October 1999 .....	118.5	109.9	63.8	62.7	73.7	65.4
November 1998 .....	95.6	83.2	43.7	44.5	59.1	45.5
<b>Subdistrict IA</b>						
November 1999 .....	W	111.7	67.7	NA	W	75.2
October 1999 .....	W	112.3	64.6	NA	W	68.7
November 1998 .....	W	W	47.0	48.1	W	47.4
<b>Connecticut</b>						
November 1999 .....	W	110.6	70.5	NA	W	W
October 1999 .....	W	108.5	W	66.6	W	W
November 1998 .....	W	W	W	W	W	W
<b>Maine</b>						
November 1999 .....	W	W	W	W	—	73.3
October 1999 .....	W	W	W	W	—	66.8
November 1998 .....	W	—	W	W	—	47.5
<b>Massachusetts</b>						
November 1999 .....	W	W	66.5	NA	W	W
October 1999 .....	W	W	NA	NA	W	W
November 1998 .....	W	W	46.4	47.4	W	W
<b>New Hampshire</b>						
November 1999 .....	W	W	W	W	W	W
October 1999 .....	W	W	W	74.1	W	W
November 1998 .....	W	W	W	W	W	W
<b>Rhode Island</b>						
November 1999 .....	—	W	W	NA	W	W
October 1999 .....	—	W	W	NA	—	W
November 1998 .....	W	—	W	W	—	W
<b>Vermont</b>						
November 1999 .....	—	W	W	W	W	W
October 1999 .....	—	W	W	65.1	W	W
November 1998 .....	—	W	W	W	NA	—
<b>Subdistrict IB</b>						
November 1999 .....	W	109.0	65.3	65.5	76.9	71.8
October 1999 .....	W	109.1	63.2	61.8	72.3	64.9
November 1998 .....	W	82.2	43.9	44.6	56.7	45.5
<b>Delaware</b>						
November 1999 .....	W	W	76.7	74.9	W	W
October 1999 .....	W	108.6	71.4	70.3	W	W
November 1998 .....	W	W	W	52.4	W	W
<b>District of Columbia</b>						
November 1999 .....	—	—	—	W	W	W
October 1999 .....	—	—	—	W	W	W
November 1998 .....	—	—	W	W	—	—
<b>Maryland</b>						
November 1999 .....	W	108.1	65.3	63.1	W	71.8
October 1999 .....	W	109.7	62.7	61.8	W	66.2
November 1998 .....	W	W	43.5	41.6	W	46.0
<b>New Jersey</b>						
November 1999 .....	W	109.5	65.3	65.1	77.0	68.0
October 1999 .....	W	107.8	64.2	61.2	W	61.2
November 1998 .....	W	W	43.7	43.3	W	44.0
<b>New York</b>						
November 1999 .....	W	107.9	69.0	NA	79.4	76.8
October 1999 .....	W	108.9	65.5	NA	74.3	69.5
November 1998 .....	W	W	48.2	48.8	56.0	49.0
<b>Pennsylvania</b>						
November 1999 .....	W	109.4	63.6	67.3	78.5	73.5
October 1999 .....	W	109.8	60.4	63.4	75.9	69.0
November 1998 .....	W	W	42.9	W	71.9	46.1

See footnotes at end of table.

**Table 36. Refiner Prices of Aviation Fuels and Kerosene by PAD District and State**  
(Cents per Gallon Excluding Taxes) — Continued

Geographic Area Month	Aviation Gasoline		Kerosene-Type Jet Fuel		Kerosene	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
<b>Subdistrict IC</b>						
November 1999 .....	113.2	108.1	66.9	66.9	81.5	72.5
October 1999 .....	114.0	109.7	64.1	NA	73.7	65.4
November 1998 .....	92.8	83.8	43.0	44.0	79.5	45.1
<b>Florida</b>						
November 1999 .....	110.1	103.0	67.7	NA	W	76.3
October 1999 .....	109.9	105.8	64.7	NA	W	70.1
November 1998 .....	91.0	82.6	43.6	47.1	W	47.5
<b>Georgia</b>						
November 1999 .....	W	110.0	64.9	65.1	W	73.5
October 1999 .....	118.3	111.1	62.7	63.0	W	67.4
November 1998 .....	91.1	85.3	41.5	42.8	107.3	45.5
<b>North Carolina</b>						
November 1999 .....	W	NA	65.9	NA	68.1	71.5
October 1999 .....	W	NA	63.2	NA	64.7	65.6
November 1998 .....	W	W	43.0	42.2	NA	44.8
<b>South Carolina</b>						
November 1999 .....	W	118.4	71.6	71.9	W	72.8
October 1999 .....	W	118.4	68.3	68.0	W	67.1
November 1998 .....	98.7	W	47.7	47.5	92.4	45.2
<b>Virginia</b>						
November 1999 .....	W	109.9	66.7	NA	W	72.6
October 1999 .....	W	109.6	63.8	NA	W	63.8
November 1998 .....	W	W	43.4	44.0	W	44.2
<b>West Virginia</b>						
November 1999 .....	W	W	W	W	95.5	84.1
October 1999 .....	W	W	W	W	92.3	76.1
November 1998 .....	W	W	W	W	89.3	53.4
<b>PAD District II</b>						
November 1999 .....	NA	104.1	67.3	68.2	95.8	82.4
October 1999 .....	NA	104.5	64.5	65.2	92.9	76.9
November 1998 .....	88.1	77.3	44.3	44.9	54.7	48.7
<b>Illinois</b>						
November 1999 .....	W	W	65.9	70.3	93.2	80.1
October 1999 .....	W	W	NA	64.2	W	74.3
November 1998 .....	W	W	42.6	46.5	W	45.8
<b>Indiana</b>						
November 1999 .....	W	106.3	66.3	65.3	W	80.3
October 1999 .....	W	108.3	63.8	63.9	W	74.8
November 1998 .....	W	W	43.8	NA	W	47.7
<b>Iowa</b>						
November 1999 .....	W	106.5	72.3	72.9	W	82.9
October 1999 .....	W	106.4	70.6	71.1	W	80.1
November 1998 .....	W	W	NA	48.9	—	54.2
<b>Kansas</b>						
November 1999 .....	NA	102.9	W	NA	—	83.2
October 1999 .....	W	NA	NA	NA	—	82.5
November 1998 .....	W	W	49.8	48.7	—	56.8
<b>Kentucky</b>						
November 1999 .....	W	104.2	W	71.9	W	86.6
October 1999 .....	W	106.9	64.3	68.7	W	79.2
November 1998 .....	99.0	W	44.4	47.6	W	50.5
<b>Michigan</b>						
November 1999 .....	W	103.9	66.6	67.8	W	87.3
October 1999 .....	NA	NA	64.7	64.7	W	77.6
November 1998 .....	W	W	45.6	46.3	W	48.8
<b>Minnesota</b>						
November 1999 .....	W	W	68.7	71.3	W	W
October 1999 .....	W	W	67.4	69.0	W	W
November 1998 .....	W	W	46.0	47.1	W	W
<b>Missouri</b>						
November 1999 .....	W	104.1	67.6	72.5	W	80.1
October 1999 .....	W	105.6	67.7	69.8	—	76.2
November 1998 .....	W	79.4	45.4	47.9	—	49.2

See footnotes at end of table.

**Table 36. Refiner Prices of Aviation Fuels and Kerosene by PAD District and State**  
(Cents per Gallon Excluding Taxes) — Continued

Geographic Area Month	Aviation Gasoline		Kerosene-Type Jet Fuel		Kerosene	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
<b>Nebraska</b>						
November 1999 .....	W	W	71.9	73.8	—	W
October 1999 .....	W	W	68.3	71.0	—	W
November 1998 .....	W	W	46.3	W	—	W
<b>North Dakota</b>						
November 1999 .....	W	121.2	W	79.2	—	—
October 1999 .....	W	NA	70.5	76.5	—	—
November 1998 .....	W	W	NA	NA	—	W
<b>Ohio</b>						
November 1999 .....	NA	NA	NA	68.8	W	87.8
October 1999 .....	NA	NA	NA	63.9	W	81.6
November 1998 .....	91.4	74.4	45.5	43.3	85.5	51.6
<b>Oklahoma</b>						
November 1999 .....	NA	104.7	66.7	64.7	—	78.1
October 1999 .....	NA	108.2	66.0	63.1	—	73.5
November 1998 .....	80.3	W	45.4	41.3	—	47.3
<b>South Dakota</b>						
November 1999 .....	W	W	76.0	74.6	—	—
October 1999 .....	W	W	72.4	73.6	—	W
November 1998 .....	W	W	52.9	53.3	—	W
<b>Tennessee</b>						
November 1999 .....	W	NA	67.5	69.0	NA	74.2
October 1999 .....	W	NA	63.0	65.5	79.7	72.2
November 1998 .....	W	82.8	41.8	45.7	NA	46.2
<b>Wisconsin</b>						
November 1999 .....	—	W	69.6	68.3	W	82.6
October 1999 .....	—	W	65.9	66.8	W	78.5
November 1998 .....	—	W	44.3	47.8	W	50.0
<b>PAD District III</b>						
November 1999 .....	112.2	98.2	63.1	63.4	80.9	66.5
October 1999 .....	111.9	97.8	59.9	61.0	74.1	60.9
November 1998 .....	85.8	72.2	41.0	40.5	W	39.8
<b>Alabama</b>						
November 1999 .....	W	110.3	68.7	69.9	91.0	75.4
October 1999 .....	W	111.4	63.0	66.0	W	NA
November 1998 .....	W	84.9	44.4	47.6	W	48.7
<b>Arkansas</b>						
November 1999 .....	W	W	NA	65.4	—	W
October 1999 .....	W	W	64.3	62.1	—	W
November 1998 .....	W	W	W	48.1	—	49.8
<b>Louisiana</b>						
November 1999 .....	W	106.5	63.3	62.7	W	66.7
October 1999 .....	W	NA	61.1	60.8	W	60.2
November 1998 .....	W	77.8	40.8	41.0	W	38.3
<b>Mississippi</b>						
November 1999 .....	W	104.3	61.1	61.7	W	W
October 1999 .....	W	W	60.6	58.7	W	W
November 1998 .....	W	W	40.0	39.4	W	W
<b>New Mexico</b>						
November 1999 .....	W	W	71.3	72.2	—	W
October 1999 .....	W	W	68.0	68.6	—	W
November 1998 .....	W	W	46.7	47.6	—	W
<b>Texas</b>						
November 1999 .....	108.9	94.3	62.9	63.8	W	69.8
October 1999 .....	107.4	93.7	59.3	61.2	—	61.5
November 1998 .....	79.7	66.5	40.8	40.3	W	40.1
<b>PAD District IV</b>						
November 1999 .....	NA	108.9	75.0	74.7	—	92.2
October 1999 .....	NA	110.1	73.6	71.8	—	85.6
November 1998 .....	96.1	W	53.0	49.6	W	62.3
<b>Colorado</b>						
November 1999 .....	W	W	70.0	72.1	—	W
October 1999 .....	W	W	67.9	68.9	—	W
November 1998 .....	W	W	46.4	W	—	W

See footnotes at end of table.

**Table 36. Refiner Prices of Aviation Fuels and Kerosene by PAD District and State**  
(Cents per Gallon Excluding Taxes) — Continued

Geographic Area Month	Aviation Gasoline		Kerosene-Type Jet Fuel		Kerosene	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
<b>Idaho</b>						
November 1999 .....	—	W	W	81.5	—	W
October 1999 .....	W	114.6	W	79.3	—	—
November 1998 .....	W	W	52.5	NA	—	—
<b>Montana</b>						
November 1999 .....	W	W	83.5	80.4	—	—
October 1999 .....	W	W	NA	80.9	—	—
November 1998 .....	W	—	61.2	68.2	—	—
<b>Utah</b>						
November 1999 .....	W	109.0	78.3	79.5	—	W
October 1999 .....	W	110.6	75.0	78.3	—	W
November 1998 .....	W	W	55.5	56.4	—	W
<b>Wyoming</b>						
November 1999 .....	W	W	W	77.7	—	—
October 1999 .....	W	113.0	76.0	75.2	—	W
November 1998 .....	W	W	W	W	W	W
<b>PAD District V</b>						
November 1999 .....	130.7	123.3	71.0	72.3	W	NA
October 1999 .....	133.5	124.9	67.3	67.7	W	75.8
November 1998 .....	98.0	99.2	45.3	47.5	W	NA
<b>Alaska</b>						
November 1999 .....	W	NA	71.7	76.4	W	—
October 1999 .....	137.1	145.5	69.1	69.5	W	—
November 1998 .....	W	NA	47.7	51.6	W	—
<b>Arizona</b>						
November 1999 .....	W	113.4	74.0	76.1	W	W
October 1999 .....	W	116.3	67.8	70.5	—	W
November 1998 .....	W	W	46.7	47.1	W	W
<b>California</b>						
November 1999 .....	132.2	119.0	70.3	71.3	—	W
October 1999 .....	132.0	121.5	66.6	66.3	—	W
November 1998 .....	105.9	95.9	44.5	45.4	—	47.9
<b>Hawaii</b>						
November 1999 .....	—	W	73.7	W	—	—
October 1999 .....	—	W	69.8	W	—	—
November 1998 .....	—	W	48.1	W	—	—
<b>Nevada</b>						
November 1999 .....	W	119.2	73.6	76.3	—	W
October 1999 .....	—	W	69.3	71.3	—	W
November 1998 .....	W	W	W	50.9	—	W
<b>Oregon</b>						
November 1999 .....	—	W	72.0	75.0	—	NA
October 1999 .....	—	W	67.9	71.9	—	W
November 1998 .....	—	W	45.2	46.2	—	W
<b>Washington</b>						
November 1999 .....	W	W	70.5	69.7	—	W
October 1999 .....	W	W	66.6	68.7	—	NA
November 1998 .....	W	W	44.6	45.7	—	W

Dash (—) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

Notes: PAD District and U.S. averages represent data for all States. In certain PAD Districts, however, prices are not shown for every State.

Notes: Values shown for the current month are preliminary. Values shown for previous months are revised. Data are final upon publication in the *Petroleum Marketing Annual*.

Source: Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."

**Table 37. Refiner Prices of Distillate Fuels by PAD District and State**  
(Cents per Gallon Excluding Taxes)

Geographic Area Month	No. 1 Distillate		No. 2 Distillate <sup>a</sup>		No. 4 Fuel <sup>b</sup>	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
<b>United States</b>						
November 1999 .....	81.2	79.3	71.5	69.2	57.7	63.7
October 1999 .....	77.3	75.1	67.4	64.3	56.2	52.3
November 1998 .....	56.2	49.5	47.0	40.9	43.3	36.8
<b>PAD District I</b>						
November 1999 .....	NA	74.5	70.7	67.1	66.0	W
October 1999 .....	NA	68.6	65.7	61.3	W	W
November 1998 .....	52.3	45.5	46.0	39.3	W	37.3
<b>Subdistrict IA</b>						
November 1999 .....	NA	W	NA	67.9	W	W
October 1999 .....	NA	W	NA	62.7	W	W
November 1998 .....	52.3	NA	49.7	40.3	W	W
<b>Connecticut</b>						
November 1999 .....	NA	—	NA	65.9	W	W
October 1999 .....	NA	—	NA	61.7	W	W
November 1998 .....	W	W	43.9	39.3	W	W
<b>Maine</b>						
November 1999 .....	—	—	67.3	71.7	—	—
October 1999 .....	—	—	NA	63.4	—	—
November 1998 .....	—	W	43.2	40.7	—	—
<b>Massachusetts</b>						
November 1999 .....	—	W	NA	68.3	W	—
October 1999 .....	—	—	NA	63.5	W	—
November 1998 .....	W	W	48.7	41.1	W	—
<b>New Hampshire</b>						
November 1999 .....	—	—	75.8	69.4	W	—
October 1999 .....	—	—	69.4	NA	W	—
November 1998 .....	—	W	64.6	39.6	W	—
<b>Rhode Island</b>						
November 1999 .....	—	W	NA	67.9	W	—
October 1999 .....	—	W	NA	62.1	—	—
November 1998 .....	W	W	45.9	40.3	W	—
<b>Vermont</b>						
November 1999 .....	—	NA	91.4	68.5	W	W
October 1999 .....	—	NA	88.6	62.6	W	W
November 1998 .....	W	W	NA	43.6	W	—
<b>Subdistrict IB</b>						
November 1999 .....	NA	NA	72.7	66.6	W	W
October 1999 .....	NA	NA	66.8	60.7	W	W
November 1998 .....	50.2	46.6	48.1	39.1	W	37.3
<b>Delaware</b>						
November 1999 .....	—	—	71.2	W	W	—
October 1999 .....	—	—	65.0	62.0	—	—
November 1998 .....	—	—	42.7	W	W	—
<b>District of Columbia</b>						
November 1999 .....	—	—	W	W	W	—
October 1999 .....	—	—	W	71.4	W	—
November 1998 .....	—	—	W	W	W	—
<b>Maryland</b>						
November 1999 .....	W	70.6	68.5	64.1	W	W
October 1999 .....	W	W	62.7	62.0	W	W
November 1998 .....	W	W	42.1	39.6	W	W
<b>New Jersey</b>						
November 1999 .....	W	NA	69.6	66.1	W	W
October 1999 .....	W	NA	64.7	59.7	W	W
November 1998 .....	NA	W	44.3	38.1	W	36.8
<b>New York</b>						
November 1999 .....	NA	W	74.5	67.6	W	W
October 1999 .....	NA	W	68.7	62.1	W	W
November 1998 .....	W	48.2	49.9	40.5	W	W
<b>Pennsylvania</b>						
November 1999 .....	—	75.8	74.7	67.3	W	—
October 1999 .....	W	69.8	68.6	61.1	W	W
November 1998 .....	W	46.3	52.0	39.4	W	—

See footnotes at end of table.

**Table 37. Refiner Prices of Distillate Fuels by PAD District and State**  
(Cents per Gallon Excluding Taxes) — Continued

Geographic Area Month	No. 1 Distillate		No. 2 Distillate <sup>a</sup>		No. 4 Fuel <sup>b</sup>	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
<b>Subdistrict IC</b>						
November 1999 .....	W	74.4	69.1	67.7	63.1	W
October 1999 .....	—	W	64.9	61.8	60.6	W
November 1998 .....	W	44.7	44.5	39.1	42.4	W
<b>Florida</b>						
November 1999 .....	—	W	71.4	68.4	W	—
October 1999 .....	—	W	66.3	62.3	W	—
November 1998 .....	—	—	45.0	39.5	W	—
<b>Georgia</b>						
November 1999 .....	W	—	67.7	67.2	W	—
October 1999 .....	—	—	64.0	61.5	—	—
November 1998 .....	—	W	47.1	38.6	—	—
<b>North Carolina</b>						
November 1999 .....	—	W	66.5	67.2	W	—
October 1999 .....	—	W	62.7	61.5	—	—
November 1998 .....	—	W	41.7	39.1	W	—
<b>South Carolina</b>						
November 1999 .....	—	—	69.7	67.6	W	—
October 1999 .....	—	—	65.5	61.9	W	—
November 1998 .....	—	W	44.9	38.8	W	—
<b>Virginia</b>						
November 1999 .....	W	W	67.4	67.3	W	W
October 1999 .....	—	W	63.2	61.3	W	W
November 1998 .....	W	42.4	41.4	39.1	W	W
<b>West Virginia</b>						
November 1999 .....	—	W	72.1	73.3	—	—
October 1999 .....	—	W	66.8	66.7	—	—
November 1998 .....	W	W	44.2	42.6	—	—
<b>PAD District II</b>						
November 1999 .....	79.2	78.9	71.1	70.9	W	W
October 1999 .....	73.3	73.8	67.1	66.9	W	W
November 1998 .....	NA	47.3	46.1	41.5	W	W
<b>Illinois</b>						
November 1999 .....	W	76.1	71.6	69.5	—	—
October 1999 .....	W	68.9	65.2	64.4	—	—
November 1998 .....	W	45.1	45.7	39.6	—	—
<b>Indiana</b>						
November 1999 .....	W	76.5	72.1	69.7	W	—
October 1999 .....	W	71.2	67.0	64.6	W	—
November 1998 .....	W	45.6	45.7	41.0	W	—
<b>Iowa</b>						
November 1999 .....	W	78.7	72.6	71.3	—	—
October 1999 .....	W	76.3	69.6	69.7	—	—
November 1998 .....	NA	47.9	NA	43.1	—	—
<b>Kansas</b>						
November 1999 .....	78.0	75.5	72.4	68.7	—	—
October 1999 .....	W	73.4	69.7	67.1	—	—
November 1998 .....	49.9	44.8	42.7	40.3	—	—
<b>Kentucky</b>						
November 1999 .....	W	W	72.0	71.8	W	—
October 1999 .....	W	W	67.5	65.2	W	—
November 1998 .....	W	W	46.0	42.2	W	—
<b>Michigan</b>						
November 1999 .....	W	82.2	72.6	72.9	—	—
October 1999 .....	W	75.4	69.0	67.5	—	—
November 1998 .....	W	46.3	45.6	42.2	—	—
<b>Minnesota</b>						
November 1999 .....	76.9	81.9	75.4	74.9	—	W
October 1999 .....	W	79.3	72.8	72.4	W	W
November 1998 .....	59.9	47.6	48.0	43.3	W	W
<b>Missouri</b>						
November 1999 .....	77.6	77.8	69.0	70.1	—	—
October 1999 .....	W	74.0	66.0	66.3	—	—
November 1998 .....	W	47.9	NA	40.8	—	—

See footnotes at end of table.

**Table 37. Refiner Prices of Distillate Fuels by PAD District and State**  
(Cents per Gallon Excluding Taxes) — Continued

Geographic Area Month	No. 1 Distillate		No. 2 Distillate <sup>a</sup>		No. 4 Fuel <sup>b</sup>	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
<b>Nebraska</b>						
November 1999 .....	81.2	77.6	NA	70.7	—	—
October 1999 .....	W	75.8	67.8	68.7	—	—
November 1998 .....	W	47.9	44.9	41.7	—	—
<b>North Dakota</b>						
November 1999 .....	W	83.4	71.7	76.2	—	—
October 1999 .....	W	80.2	69.4	73.3	—	—
November 1998 .....	W	50.3	NA	45.2	—	—
<b>Ohio</b>						
November 1999 .....	W	89.0	74.1	74.6	W	—
October 1999 .....	W	W	69.3	68.1	W	—
November 1998 .....	W	49.0	48.7	44.2	W	—
<b>Oklahoma</b>						
November 1999 .....	W	NA	65.5	67.5	—	—
October 1999 .....	—	60.9	64.8	65.1	—	—
November 1998 .....	W	45.2	43.6	39.6	—	—
<b>South Dakota</b>						
November 1999 .....	82.4	81.0	77.7	73.6	—	—
October 1999 .....	W	78.1	73.7	71.8	—	—
November 1998 .....	W	48.9	47.4	44.5	—	—
<b>Tennessee</b>						
November 1999 .....	—	W	68.2	69.1	—	—
October 1999 .....	—	W	62.7	63.2	—	—
November 1998 .....	—	W	46.0	40.1	W	—
<b>Wisconsin</b>						
November 1999 .....	80.4	78.9	73.0	72.1	—	—
October 1999 .....	73.3	73.5	68.3	67.6	—	—
November 1998 .....	W	47.0	44.8	41.5	—	—
<b>PAD District III</b>						
November 1999 .....	77.4	82.5	67.7	65.4	W	—
October 1999 .....	W	NA	65.0	60.4	—	W
November 1998 .....	W	55.8	44.5	37.5	—	W
<b>Alabama</b>						
November 1999 .....	—	W	68.6	66.8	—	—
October 1999 .....	—	W	64.5	61.3	—	—
November 1998 .....	—	—	42.7	38.5	—	—
<b>Arkansas</b>						
November 1999 .....	—	—	NA	66.9	—	—
October 1999 .....	—	—	65.8	62.0	—	—
November 1998 .....	—	—	48.2	39.2	—	—
<b>Louisiana</b>						
November 1999 .....	—	—	NA	62.6	—	—
October 1999 .....	—	—	64.8	58.0	—	—
November 1998 .....	—	—	44.0	36.7	—	—
<b>Mississippi</b>						
November 1999 .....	—	—	65.7	65.8	W	—
October 1999 .....	—	—	61.3	60.4	—	W
November 1998 .....	—	—	40.1	38.2	—	W
<b>New Mexico</b>						
November 1999 .....	W	86.8	83.4	74.1	—	—
October 1999 .....	W	83.8	81.4	68.3	—	—
November 1998 .....	—	59.7	66.2	45.5	—	—
<b>Texas</b>						
November 1999 .....	W	77.1	66.7	65.4	—	—
October 1999 .....	W	72.6	64.3	60.6	—	—
November 1998 .....	W	47.5	43.7	37.1	—	W
<b>PAD District IV</b>						
November 1999 .....	81.4	84.9	76.8	75.8	—	—
October 1999 .....	77.1	81.0	74.0	72.0	—	—
November 1998 .....	60.1	57.7	54.1	48.5	—	—
<b>Colorado</b>						
November 1999 .....	W	80.3	75.5	73.3	—	—
October 1999 .....	W	76.5	72.4	69.4	—	—
November 1998 .....	57.2	52.0	54.7	43.0	—	—

See footnotes at end of table.



**Table 37. Refiner Prices of Distillate Fuels by PAD District and State**  
(Cents per Gallon Excluding Taxes) — Continued

Geographic Area Month	No. 1 Distillate		No. 2 Distillate <sup>a</sup>		No. 4 Fuel <sup>b</sup>	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
<b>Idaho</b>						
November 1999 .....	82.4	83.2	76.8	75.0	—	—
October 1999 .....	W	79.4	73.1	71.9	—	—
November 1998 .....	NA	60.6	53.6	54.1	—	—
<b>Montana</b>						
November 1999 .....	88.2	88.6	74.4	78.3	—	—
October 1999 .....	W	86.8	70.7	76.5	—	—
November 1998 .....	61.6	60.6	54.2	49.9	—	—
<b>Utah</b>						
November 1999 .....	82.2	87.8	77.8	78.5	—	—
October 1999 .....	79.7	78.5	73.6	72.6	—	—
November 1998 .....	59.5	60.5	53.0	52.6	—	—
<b>Wyoming</b>						
November 1999 .....	81.6	87.5	77.4	75.3	—	—
October 1999 .....	W	83.6	76.8	72.4	—	—
November 1998 .....	W	59.1	54.6	46.6	—	—
<b>PAD District V</b>						
November 1999 .....	88.5	77.8	75.7	76.3	W	W
October 1999 .....	90.3	76.7	70.2	70.4	W	W
November 1998 .....	60.6	57.9	52.0	48.6	W	W
<b>Alaska</b>						
November 1999 .....	88.7	77.2	NA	NA	W	—
October 1999 .....	90.7	76.5	89.4	69.9	W	—
November 1998 .....	61.0	58.3	73.8	49.6	W	W
<b>Arizona</b>						
November 1999 .....	W	W	77.8	74.8	—	—
October 1999 .....	W	W	70.9	67.1	—	—
November 1998 .....	W	60.6	51.2	47.4	—	—
<b>California</b>						
November 1999 .....	—	NA	77.8	78.5	—	W
October 1999 .....	—	NA	71.8	71.5	—	W
November 1998 .....	—	W	50.1	49.5	—	W
<b>Hawaii</b>						
November 1999 .....	—	—	W	NA	—	—
October 1999 .....	—	—	W	NA	—	—
November 1998 .....	—	—	W	68.9	—	—
<b>Nevada</b>						
November 1999 .....	—	87.2	W	74.0	—	—
October 1999 .....	—	W	W	67.3	—	—
November 1998 .....	—	W	52.2	47.6	—	—
<b>Oregon</b>						
November 1999 .....	—	78.2	69.9	71.4	—	—
October 1999 .....	—	76.1	67.0	68.5	—	—
November 1998 .....	—	59.9	W	45.9	—	—
<b>Washington</b>						
November 1999 .....	W	80.3	70.7	72.5	—	—
October 1999 .....	W	78.1	NA	69.9	—	—
November 1998 .....	W	57.7	48.4	46.0	—	W

Dash (—) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

<sup>a</sup> Includes sales of No. 2 fuel oil and high- and low-sulfur diesel fuels.

<sup>b</sup> Includes No. 4 fuel oil and No. 4 diesel fuel.

Source: Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."

Notes: Values shown for the current month are preliminary. Values shown for previous months are revised. Data are final upon publication in the *Petroleum Marketing Annual*.

Notes: PAD District and U.S. averages represent data for all States. In certain PAD Districts, however, prices are not shown for every State.

**Table 38. Propane (Consumer Grade) Prices by Sales Type and PAD District**  
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Sales to End Users							Sales for Resale
	Residential Consumers	Commercial/ Institutional Consumers	Industrial Consumers	Through Retail Outlets	Petro- Chemical	Other End Users	Average	
United States								
November 1999 .....	95.5	86.6	80.5	W	44.2	72.1	84.7	43.3
October 1999 .....	91.2	83.7	79.5	W	45.6	65.3	81.3	45.3
November 1998 .....	84.4	75.3	68.1	77.6	26.0	60.0	74.9	28.4
PAD District I								
November 1999 .....	118.6	88.6	82.6	W	—	78.3	104.0	51.7
October 1999 .....	116.9	87.0	81.5	W	—	75.4	100.9	52.0
November 1998 .....	105.8	79.2	68.0	76.2	—	68.6	92.1	33.9
Subdistrict IA								
November 1999 .....	122.1	92.9	76.8	W	—	90.1	109.0	55.4
October 1999 .....	123.8	90.6	78.7	W	—	90.8	109.5	56.2
November 1998 .....	114.1	82.4	NA	69.1	—	81.1	95.2	38.6
Subdistrict IB								
November 1999 .....	123.7	83.8	91.2	W	—	76.7	107.8	49.8
October 1999 .....	123.9	82.6	90.1	W	—	74.4	105.7	50.1
November 1998 .....	108.0	80.6	77.1	73.1	—	70.5	96.3	32.8
Subdistrict IC								
November 1999 .....	113.9	89.9	78.9	W	—	77.9	100.1	52.3
October 1999 .....	109.8	88.6	77.3	W	—	74.7	95.6	52.6
November 1998 .....	100.9	77.1	63.9	W	—	66.4	88.0	33.8
PAD District II								
November 1999 .....	78.6	76.7	79.5	W	W	65.8	77.4	40.8
October 1999 .....	75.4	72.7	78.2	W	—	59.9	72.2	43.0
November 1998 .....	69.1	66.9	69.9	82.8	—	55.9	66.7	27.2
PAD District III								
November 1999 .....	99.9	83.5	79.7	87.3	44.2	73.4	NA	41.9
October 1999 .....	97.0	82.3	78.2	88.0	45.6	73.9	69.2	44.8
November 1998 .....	87.5	71.8	62.9	72.9	26.0	64.9	59.8	26.8
PAD District IV								
November 1999 .....	81.4	87.2	70.0	87.7	—	89.6	81.9	43.4
October 1999 .....	77.7	86.2	64.9	86.8	—	NA	78.5	45.2
November 1998 .....	68.2	71.8	57.4	67.9	—	67.4	67.8	27.3
PAD District V								
November 1999 .....	108.5	99.5	82.4	W	—	72.9	100.4	48.6
October 1999 .....	103.8	96.8	85.3	W	—	70.0	96.2	48.6
November 1998 .....	97.1	82.1	72.1	76.2	—	59.5	87.7	34.2

Dash (—) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

Notes: Values shown for the current month are preliminary. Values shown for previous months are revised. Data are final upon publication in the *Petroleum Marketing Annual*.

Sources: Energy Information Administration Forms EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report," and EIA-782B, "Resellers'/Retailers' Monthly Petroleum Product Sales Report."

**Table 39. No. 2 Distillate<sup>a</sup> Prices by Sales Type, PAD District, and Selected States<sup>b</sup>**  
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Sales to End Users						Sales for Resale
	Residential Consumers	Commercial/ Institutional Consumers	Industrial Consumers	Through Retail Outlets <sup>c</sup>	Other End Users <sup>d</sup>	Average	
United States							
November 1999 .....	100.0	73.9	77.0	82.6	83.8	81.5	68.9
October 1999 .....	94.8	69.4	72.3	78.8	80.1	76.8	64.4
November 1998 .....	79.9	50.0	52.9	56.6	57.2	57.6	41.8
PAD District I							
November 1999 .....	100.1	72.9	75.4	80.0	76.8	83.1	67.0
October 1999 .....	94.8	68.0	70.4	76.2	70.7	76.8	61.6
November 1998 .....	80.6	51.7	53.3	56.6	54.2	62.2	40.6
Subdistrict IA							
November 1999 .....	96.1	76.3	77.5	88.8	75.2	89.6	67.5
October 1999 .....	91.0	71.1	73.5	83.9	69.2	83.5	62.5
November 1998 .....	75.7	55.8	62.7	65.7	48.0	69.3	42.3
Connecticut							
November 1999 .....	95.8	74.4	73.9	90.5	68.8	89.5	66.1
October 1999 .....	90.9	68.9	67.6	83.7	64.7	82.6	61.5
November 1998 .....	77.0	55.4	57.2	64.4	56.7	71.7	41.5
Maine							
November 1999 .....	97.2	77.1	72.4	88.3	75.5	89.0	70.6
October 1999 .....	91.5	72.4	69.8	84.4	67.5	83.7	63.2
November 1998 .....	73.3	55.9	50.1	65.2	59.4	66.7	43.1
Massachusetts							
November 1999 .....	96.6	77.3	81.8	NA	74.1	91.0	68.2
October 1999 .....	91.0	71.3	78.1	84.3	68.4	84.4	63.1
November 1998 .....	74.7	53.7	69.5	68.7	W	68.2	42.5
New Hampshire							
November 1999 .....	92.0	74.1	NA	87.0	74.1	84.6	65.9
October 1999 .....	87.9	68.9	NA	82.6	69.6	79.9	61.7
November 1998 .....	72.3	56.8	61.9	65.4	55.9	66.6	42.9
Rhode Island							
November 1999 .....	97.0	78.8	73.7	85.3	74.7	91.7	67.8
October 1999 .....	93.1	73.9	70.5	79.6	67.3	86.5	62.2
November 1998 .....	80.4	60.0	53.1	66.2	NA	73.9	41.1
Vermont							
November 1999 .....	95.8	78.6	73.7	87.5	NA	88.2	69.1
October 1999 .....	92.2	75.2	72.8	83.8	75.9	83.9	63.4
November 1998 .....	82.0	58.8	NA	68.0	63.3	72.5	46.5
Subdistrict IB							
November 1999 .....	102.7	71.4	75.1	82.6	78.3	84.4	66.5
October 1999 .....	97.1	66.5	69.8	78.6	72.0	78.0	61.1
November 1998 .....	84.5	53.1	54.1	57.2	56.8	66.2	40.2
Delaware							
November 1999 .....	97.0	NA	78.2	80.5	74.8	80.6	67.0
October 1999 .....	90.3	63.9	73.1	78.4	69.6	74.8	61.7
November 1998 .....	82.4	51.0	59.6	58.4	47.4	63.9	40.0
District of Columbia							
November 1999 .....	W	71.3	W	W	W	85.7	NA
October 1999 .....	W	67.6	W	W	W	76.3	W
November 1998 .....	W	49.5	—	W	W	67.0	40.8
Maryland							
November 1999 .....	102.2	77.4	73.7	78.6	75.4	85.0	64.8
October 1999 .....	95.7	72.4	69.9	74.7	67.7	77.3	62.8
November 1998 .....	82.1	53.5	55.5	57.1	50.7	66.1	42.3
New Jersey							
November 1999 .....	105.6	NA	76.9	78.7	71.1	81.4	65.4
October 1999 .....	101.0	65.6	71.1	75.1	69.3	75.3	60.0
November 1998 .....	83.5	50.1	NA	57.7	48.0	63.8	38.3
New York							
November 1999 .....	111.0	78.7	73.2	84.3	82.6	94.6	67.8
October 1999 .....	105.6	72.0	68.3	82.3	73.9	87.0	62.5
November 1998 .....	89.3	55.6	52.5	62.7	64.7	71.9	41.6

See footnotes at end of table.

**Table 39. No. 2 Distillate<sup>a</sup> Prices by Sales Type, PAD District, and Selected States<sup>b</sup>**  
(Cents per Gallon Excluding Taxes) — Continued

Geographic Area Month	Sales to End Users						Sales for Resale
	Residential Consumers	Commercial/ Institutional Consumers	Industrial Consumers	Through Retail Outlets <sup>c</sup>	Other End Users <sup>d</sup>	Average	
<b>Pennsylvania</b>							
November 1999 .....	91.8	NA	75.4	84.1	79.0	78.3	67.1
October 1999 .....	86.5	62.8	69.5	79.1	74.4	73.1	61.4
November 1998 .....	76.6	50.6	50.4	55.6	57.3	60.2	41.5
<b>Subdistrict IC</b>							
November 1999 .....	NA	73.8	75.2	77.1	76.4	78.1	67.6
October 1999 .....	96.4	69.1	70.2	73.5	70.4	73.0	62.1
November 1998 .....	79.2	49.1	52.0	54.6	54.2	53.9	40.1
<b>Virginia</b>							
November 1999 .....	99.5	73.6	75.5	78.7	86.1	81.2	67.3
October 1999 .....	93.1	68.1	69.2	74.8	79.9	75.2	61.6
November 1998 .....	81.2	51.3	47.4	52.7	58.3	58.0	40.0
<b>West Virginia</b>							
November 1999 .....	NA	74.2	79.5	87.0	NA	81.3	74.5
October 1999 .....	NA	67.1	74.3	81.6	73.8	75.0	68.0
November 1998 .....	76.8	46.0	52.3	64.7	50.6	55.1	46.7
<b>PAD District II</b>							
November 1999 .....	97.6	73.0	82.9	83.5	85.2	81.2	71.0
October 1999 .....	92.6	68.7	77.1	79.4	82.7	77.6	66.9
November 1998 .....	73.1	48.4	53.7	55.8	60.7	54.8	42.3
<b>Illinois</b>							
November 1999 .....	92.4	75.7	80.7	86.0	87.5	82.4	69.3
October 1999 .....	89.0	67.9	76.4	78.9	85.6	77.7	64.8
November 1998 .....	70.8	48.2	50.5	60.3	64.3	55.1	40.4
<b>Indiana</b>							
November 1999 .....	96.8	74.4	78.7	81.4	82.7	79.8	69.0
October 1999 .....	90.9	68.7	73.2	75.7	80.8	74.6	64.6
November 1998 .....	71.9	47.5	50.2	55.2	62.9	53.8	41.6
<b>Michigan</b>							
November 1999 .....	NA	77.3	93.6	83.6	84.3	86.3	73.7
October 1999 .....	NA	72.2	88.5	80.2	81.4	81.6	68.3
November 1998 .....	77.9	51.1	53.8	59.5	57.5	57.4	43.2
<b>Minnesota</b>							
November 1999 .....	94.4	76.8	86.4	88.1	89.0	85.2	75.5
October 1999 .....	90.1	74.9	79.8	84.2	87.2	83.3	72.5
November 1998 .....	70.3	52.3	56.9	59.4	60.7	59.5	44.1
<b>Ohio</b>							
November 1999 .....	95.6	73.1	83.6	85.0	86.7	81.4	74.8
October 1999 .....	89.9	67.9	NA	79.3	86.5	76.6	68.2
November 1998 .....	73.4	49.8	56.0	57.2	60.6	55.6	45.0
<b>Wisconsin</b>							
November 1999 .....	99.1	77.2	86.4	86.6	87.4	86.1	72.9
October 1999 .....	95.3	72.2	80.0	83.5	86.4	82.3	68.1
November 1998 .....	76.6	49.9	59.1	60.2	68.7	60.4	41.8
<b>PAD District III</b>							
November 1999 .....	77.2	69.4	72.4	76.8	79.3	73.3	65.1
October 1999 .....	NA	65.3	68.3	74.2	74.4	69.8	60.5
November 1998 .....	55.6	44.7	47.8	52.1	50.9	48.9	38.7
<b>PAD District IV</b>							
November 1999 .....	86.1	76.1	NA	86.0	86.6	80.9	76.1
October 1999 .....	85.4	72.7	NA	83.7	85.6	78.7	72.5
November 1998 .....	77.0	54.0	60.4	62.6	63.3	60.0	49.3
<b>Idaho</b>							
November 1999 .....	89.8	78.1	78.3	89.5	88.9	86.2	75.9
October 1999 .....	87.5	77.0	78.3	87.3	88.8	84.9	72.8
November 1998 .....	76.4	58.3	67.0	66.9	68.1	66.4	54.9

See footnotes at end of table.

**Table 39. No. 2 Distillate<sup>a</sup> Prices by Sales Type, PAD District, and Selected States<sup>b</sup>**  
(Cents per Gallon Excluding Taxes) — Continued

Geographic Area Month	Sales to End Users						Sales for Resale
	Residential Consumers	Commercial/ Institutional Consumers	Industrial Consumers	Through Retail Outlets <sup>c</sup>	Other End Users <sup>d</sup>	Average	
PAD District V							
November 1999 .....	111.9	82.4	82.2	91.6	89.2	86.9	76.5
October 1999 .....	109.2	76.5	77.9	86.3	83.1	81.0	70.8
November 1998 .....	89.4	53.2	55.3	65.5	57.7	58.8	48.9
Alaska							
November 1999 .....	111.6	95.2	95.8	—	NA	95.9	NA
October 1999 .....	108.6	95.4	94.1	—	82.6	96.4	70.8
November 1998 .....	82.7	71.6	NA	94.8	NA	74.4	51.3
Oregon							
November 1999 .....	104.9	78.5	83.3	91.3	78.7	82.7	71.8
October 1999 .....	102.2	76.5	78.4	90.9	78.4	80.6	69.1
November 1998 .....	82.4	58.0	56.9	67.5	NA	63.7	46.3
Washington							
November 1999 .....	116.5	75.0	82.7	90.2	NA	84.8	73.3
October 1999 .....	113.7	NA	80.1	88.8	NA	78.1	70.9
November 1998 .....	97.1	58.4	59.2	67.5	61.5	65.0	47.0

Dash (—) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

<sup>a</sup> Includes sales of No. 2 fuel oil and high- and low-sulfur diesel fuels.

<sup>b</sup> Some State data are not sufficient for publication individually, but are used in calculating the PAD District average.

<sup>c</sup> Includes low-sulfur diesel fuel only with the exception of Alaska, which currently is exempt from the Clean Air Act's diesel fuel sulfur content requirement.

<sup>d</sup> All end-user sales not included in the other end-user categories shown, e.g., sales to agricultural customers or utilities.

Sources: Energy Information Administration Forms EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report," and EIA-782B, "Resellers'/Retailers' Monthly Petroleum Product Sales Report."

Notes: Values shown for the current month are preliminary. Values shown for previous months are revised. Data are final upon publication in the *Petroleum Marketing Annual*.

**Table 40. No. 2 Diesel Fuel Prices by Sales Type, PAD District, and Selected States**  
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Sales to End Users					Sales for Resale
	Commercial/ Institutional Consumers	Industrial Consumers	Through Retail Outlets <sup>a</sup>	Other End Users <sup>b</sup>	Average	
<b>United States</b>						
November 1999 .....	74.1	77.3	82.6	84.1	79.3	70.0
October 1999 .....	69.6	72.6	78.8	80.4	75.4	65.3
November 1998 .....	49.1	53.5	56.6	57.5	53.5	42.4
<b>PAD District I</b>						
November 1999 .....	73.0	76.3	80.0	76.7	76.5	68.2
October 1999 .....	68.1	71.5	76.2	71.3	72.0	62.5
November 1998 .....	49.5	54.2	56.6	55.1	52.9	40.6
<b>Subdistrict IA</b>						
November 1999 .....	75.5	79.9	88.8	81.1	81.4	69.6
October 1999 .....	70.2	75.2	83.9	75.0	76.4	64.7
November 1998 .....	52.2	68.7	65.7	56.8	58.8	43.0
<b>Connecticut</b>						
November 1999 .....	74.3	74.5	90.5	71.3	79.9	66.8
October 1999 .....	67.8	68.2	83.7	67.5	73.0	62.7
November 1998 .....	48.7	53.6	64.4	59.5	56.0	41.1
<b>Maine</b>						
November 1999 .....	72.8	77.9	88.3	83.0	82.6	71.6
October 1999 .....	69.4	72.7	84.4	77.9	79.5	64.8
November 1998 .....	56.7	54.7	65.2	59.3	61.8	46.1
<b>Massachusetts</b>						
November 1999 .....	76.7	82.6	NA	87.3	82.4	70.3
October 1999 .....	71.0	78.5	84.3	79.0	77.5	65.7
November 1998 .....	51.4	NA	68.7	49.7	58.6	43.0
<b>New Hampshire</b>						
November 1999 .....	74.4	W	87.0	79.3	80.3	70.9
October 1999 .....	69.3	W	82.6	75.3	75.8	65.4
November 1998 .....	51.8	66.2	65.4	56.6	59.4	45.2
<b>Rhode Island</b>						
November 1999 .....	74.2	79.0	85.3	74.7	76.1	70.1
October 1999 .....	70.1	71.5	79.6	67.3	71.3	64.0
November 1998 .....	53.5	NA	66.2	NA	55.6	42.5
<b>Vermont</b>						
November 1999 .....	81.4	81.8	87.5	NA	82.7	73.7
October 1999 .....	76.9	75.3	83.8	73.0	78.2	66.2
November 1998 .....	56.8	NA	68.0	61.2	60.7	46.9
<b>Subdistrict IB</b>						
November 1999 .....	71.7	75.2	82.6	79.2	76.5	68.2
October 1999 .....	66.5	70.5	78.6	73.4	71.8	62.0
November 1998 .....	49.9	55.0	57.2	56.1	53.0	40.3
<b>Delaware</b>						
November 1999 .....	NA	78.5	80.5	76.8	73.4	67.9
October 1999 .....	63.9	73.4	78.4	72.0	69.3	61.7
November 1998 .....	50.5	59.7	58.4	52.3	54.1	40.2
<b>District of Columbia</b>						
November 1999 .....	71.9	W	W	W	75.1	76.0
October 1999 .....	67.0	W	W	W	69.5	71.4
November 1998 .....	45.7	–	W	W	48.5	48.4
<b>Maryland</b>						
November 1999 .....	78.5	73.2	78.6	77.1	77.8	68.5
October 1999 .....	73.2	70.6	74.7	74.2	73.4	63.6
November 1998 .....	50.9	53.8	57.1	54.1	52.8	42.3
<b>New Jersey</b>						
November 1999 .....	NA	78.3	78.7	72.8	74.6	67.1
October 1999 .....	65.9	72.5	75.1	69.9	70.2	60.6
November 1998 .....	47.8	NA	57.7	48.0	52.9	38.7
<b>New York</b>						
November 1999 .....	74.1	73.7	84.3	82.1	77.4	70.4
October 1999 .....	68.8	69.0	82.3	73.0	72.9	64.3
November 1998 .....	51.6	53.7	62.7	61.6	54.2	42.5

See footnotes at end of table.

**Table 40. No. 2 Diesel Fuel Prices by Sales Type, PAD District, and Selected States**  
(Cents per Gallon Excluding Taxes) — Continued

Geographic Area Month	Sales to End Users					Sales for Resale
	Commercial/ Institutional Consumers	Industrial Consumers	Through Retail Outlets <sup>a</sup>	Other End Users <sup>b</sup>	Average	
<b>Pennsylvania</b>						
November 1999 .....	68.8	74.2	84.1	78.6	76.8	68.2
October 1999 .....	63.3	69.4	79.1	73.9	71.7	62.1
November 1998 .....	48.5	50.0	55.6	58.0	52.2	40.9
<b>Subdistrict IC</b>						
November 1999 .....	73.5	76.3	77.1	75.9	75.6	68.0
October 1999 .....	69.0	71.3	73.5	70.6	71.3	62.4
November 1998 .....	48.8	53.0	54.6	54.8	52.1	40.3
<b>Virginia</b>						
November 1999 .....	73.0	79.5	78.7	85.4	77.2	68.0
October 1999 .....	67.4	74.0	74.8	NA	72.4	62.2
November 1998 .....	51.0	49.7	52.7	60.1	52.4	40.5
<b>West Virginia</b>						
November 1999 .....	78.1	80.0	87.0	85.4	82.8	75.2
October 1999 .....	70.4	74.7	81.6	80.3	77.0	68.8
November 1998 .....	52.4	52.5	64.7	54.6	57.9	47.9
<b>PAD District II</b>						
November 1999 .....	73.0	83.4	83.5	85.4	81.0	71.2
October 1999 .....	68.8	77.8	79.4	82.9	77.6	67.2
November 1998 .....	48.4	54.6	55.8	60.9	54.2	42.4
<b>Illinois</b>						
November 1999 .....	74.6	83.8	86.0	87.6	82.4	69.9
October 1999 .....	67.4	78.9	78.9	85.7	77.9	65.5
November 1998 .....	48.2	54.9	60.3	64.5	55.6	41.1
<b>Indiana</b>						
November 1999 .....	75.0	82.7	81.4	NA	80.1	69.0
October 1999 .....	69.5	78.2	75.7	81.6	74.9	64.6
November 1998 .....	47.9	52.7	55.2	64.1	53.4	41.7
<b>Michigan</b>						
November 1999 .....	77.1	93.7	83.6	83.8	84.2	74.1
October 1999 .....	72.0	88.7	80.2	81.4	79.8	68.7
November 1998 .....	50.9	53.6	59.5	58.1	54.7	43.4
<b>Minnesota</b>						
November 1999 .....	79.0	86.7	88.1	89.2	85.6	75.8
October 1999 .....	76.6	81.9	84.2	87.8	84.0	73.1
November 1998 .....	51.9	59.6	59.4	61.8	58.3	44.4
<b>Ohio</b>						
November 1999 .....	73.5	83.9	85.0	89.4	81.4	75.2
October 1999 .....	68.0	NA	79.3	86.9	76.4	68.6
November 1998 .....	50.4	55.8	57.2	61.2	54.7	45.6
<b>Wisconsin</b>						
November 1999 .....	77.4	86.4	86.6	88.6	84.9	73.7
October 1999 .....	72.5	80.2	83.5	87.2	81.5	68.8
November 1998 .....	49.6	59.9	60.2	68.8	57.9	41.9
<b>PAD District III</b>						
November 1999 .....	69.5	72.8	76.8	79.4	73.4	65.7
October 1999 .....	65.5	68.7	74.2	74.5	69.9	60.9
November 1998 .....	44.8	48.3	52.1	51.0	49.0	39.3
<b>PAD District IV</b>						
November 1999 .....	77.0	NA	86.0	86.6	81.2	76.1
October 1999 .....	73.4	NA	83.7	85.6	78.8	72.5
November 1998 .....	54.2	61.0	62.6	63.2	60.2	49.3
<b>Idaho</b>						
November 1999 .....	77.9	78.1	89.5	88.9	86.1	75.9
October 1999 .....	76.9	78.3	87.3	88.8	84.8	72.8
November 1998 .....	57.2	67.0	66.9	68.1	66.0	54.9

See footnotes at end of table.

**Table 40. No. 2 Diesel Fuel Prices by Sales Type, PAD District, and Selected States**  
(Cents per Gallon Excluding Taxes) — Continued

Geographic Area Month	Sales to End Users					Sales for Resale
	Commercial/ Institutional Consumers	Industrial Consumers	Through Retail Outlets <sup>a</sup>	Other End Users <sup>b</sup>	Average	
PAD District V						
November 1999 .....	82.1	80.1	91.6	89.5	86.0	76.5
October 1999 .....	76.1	75.5	86.3	82.9	79.9	70.8
November 1998 .....	52.9	55.2	65.5	57.7	57.4	48.8
Alaska						
November 1999 .....	93.3	W	—	87.9	88.8	W
October 1999 .....	95.8	NA	—	86.4	90.8	72.1
November 1998 .....	75.2	NA	94.8	70.6	73.9	52.2
Oregon						
November 1999 .....	78.1	83.1	91.3	78.7	81.3	71.8
October 1999 .....	76.3	78.3	90.9	78.4	79.6	69.0
November 1998 .....	57.9	56.9	67.5	NA	62.0	46.3
Washington						
November 1999 .....	74.9	82.7	90.2	NA	81.4	73.3
October 1999 .....	NA	80.2	88.8	NA	NA	70.9
November 1998 .....	58.3	59.2	67.5	61.4	62.2	47.0

Dash (—) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

<sup>a</sup> Includes low-sulfur diesel fuel only with the exception of Alaska, which currently is exempt from the Clean Air Act's diesel fuel sulfur content requirement.

<sup>b</sup> All end-user sales not included in the other end-user categories shown, e.g., sales to agricultural customers or utilities.

Sources: Energy Information Administration Forms EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report," and EIA-782B, "Resellers'/Retailers' Monthly Petroleum Product Sales Report."

Notes: Values shown for the current month are preliminary. Values shown for previous months are revised. Data are final upon publication in the *Petroleum Marketing Annual*.



**Table 41. No. 2 Diesel Fuel Prices by Sulfur Content, Sales Type, and PAD District**  
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Low-Sulfur Diesel Fuel						High-Sulfur Diesel Fuel				
	Sales to End Users					Sales for Resale	Sales to End Users				Sales for Resale
	Commercial/ Institutional Consumers	Industrial Consumers	Through Retail Outlets <sup>a</sup>	Other End Users <sup>b</sup>	Average		Commercial/ Institutional Consumers	Industrial Consumers	Other End Users <sup>b</sup>	Average	
United States											
November 1999 .....	75.6	76.2	82.6	86.3	80.4	70.5	71.1	78.8	79.9	75.1	66.5
October 1999 .....	70.4	71.8	78.8	81.0	76.1	65.7	68.0	73.7	79.4	72.5	62.4
November 1998 .....	49.0	53.2	56.6	57.1	53.8	42.7	49.2	54.0	58.2	52.7	40.6
PAD District I											
November 1999 .....	71.8	75.1	80.0	77.3	76.3	68.5	76.7	78.1	76.1	77.0	65.3
October 1999 .....	66.7	70.1	76.2	70.0	71.7	62.7	72.6	73.6	73.0	73.0	60.3
November 1998 .....	48.2	52.6	56.6	49.4	52.1	40.8	53.3	55.7	59.6	55.5	39.7
Subdistrict IA											
November 1999 .....	75.0	80.4	88.8	80.9	81.8	69.7	77.8	NA	82.5	77.8	67.2
October 1999 .....	69.8	75.7	83.9	74.8	76.8	64.8	72.0	NA	75.6	72.1	62.6
November 1998 .....	53.1	70.2	65.7	55.3	59.9	43.8	48.7	63.0	69.2	51.6	40.3
Subdistrict IB											
November 1999 .....	71.3	74.9	82.6	82.8	76.8	68.5	74.2	76.6	74.9	74.8	63.1
October 1999 .....	65.9	70.1	78.6	75.8	72.0	62.2	69.7	72.3	71.2	70.5	58.3
November 1998 .....	48.5	56.4	57.2	53.0	52.5	40.5	55.0	52.0	60.8	55.2	38.4
Subdistrict IC											
November 1999 .....	71.6	73.6	77.1	75.5	74.9	68.3	77.5	78.4	76.3	77.6	65.9
October 1999 .....	66.8	68.2	73.5	68.5	70.5	62.6	73.9	73.9	73.5	73.9	60.7
November 1998 .....	47.0	48.4	54.6	47.3	50.4	40.3	52.9	56.1	59.3	55.8	40.3
PAD District II											
November 1999 .....	74.5	79.9	83.5	85.8	81.7	71.2	70.3	88.8	84.6	78.0	71.2
October 1999 .....	69.5	74.9	79.4	82.0	77.7	67.1	67.4	81.5	84.8	77.0	67.6
November 1998 .....	48.7	53.2	55.8	61.0	54.4	42.4	47.7	55.7	60.7	53.2	42.6
PAD District III											
November 1999 .....	73.2	73.6	76.8	81.2	75.7	66.4	66.2	NA	77.6	69.3	63.0
October 1999 .....	67.7	69.7	74.2	75.8	71.8	61.5	63.2	67.7	73.3	66.2	58.7
November 1998 .....	45.3	49.0	52.1	51.5	50.2	39.9	44.2	47.4	50.1	46.1	37.4
PAD District IV											
November 1999 .....	79.5	NA	86.0	87.7	82.2	76.4	73.4	NA	85.2	76.5	72.7
October 1999 .....	75.3	NA	83.7	86.6	79.7	72.7	70.8	72.4	84.3	74.8	70.3
November 1998 .....	56.1	60.8	62.6	62.5	61.2	49.4	52.1	61.8	66.4	55.3	NA
PAD District V											
November 1999 .....	84.8	79.7	91.6	93.3	88.4	77.2	74.0	80.6	75.3	76.0	70.6
October 1999 .....	79.0	75.5	86.3	86.3	82.5	71.1	69.8	75.4	73.3	71.7	67.9
November 1998 .....	52.7	55.4	65.5	59.0	57.7	49.0	54.3	54.9	56.7	56.0	47.4

NA = Not available.

<sup>a</sup> Includes low-sulfur diesel fuel only with the exception of Alaska, which currently is exempt from the Clean Air Act's diesel fuel sulfur content requirement.

<sup>b</sup> All end-user sales not included in the other end-user categories shown, e.g., sales to agricultural customers or utilities.

Notes: Some State data are not sufficient for publication individually, but are used in calculating the PAD District average.

Notes: Values shown for the current month are preliminary. Values shown for previous months are revised. Data are final upon publication in the *Petroleum Marketing Annual*.

Sources: Energy Information Administration Forms EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report," and EIA-782B, "Resellers'/Retailers' Monthly Petroleum Product Sales Report."

**Table 42. Residual Fuel Oil Prices by PAD District and State**  
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Sulfur Less Than or Equal to 1 Percent		Sulfur Greater Than 1 Percent		Average	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
<b>United States</b>						
November 1999 .....	52.5	49.2	48.3	NA	49.5	46.7
October 1999 .....	50.5	48.1	48.7	44.2	49.2	45.7
November 1998 .....	34.2	28.3	28.9	25.2	30.6	26.4
<b>PAD District I</b>						
November 1999 .....	51.1	49.7	46.8	NA	48.4	49.2
October 1999 .....	50.3	49.5	47.1	44.2	48.2	48.2
November 1998 .....	33.2	29.3	29.1	28.0	30.9	28.9
<b>Subdistrict IA</b>						
November 1999 .....	NA	NA	NA	NA	NA	NA
October 1999 .....	NA	NA	45.8	W	46.8	NA
November 1998 .....	31.2	27.4	30.4	25.3	30.8	26.2
<b>Connecticut</b>						
November 1999 .....	54.8	NA	W	NA	NA	NA
October 1999 .....	56.9	NA	NA	NA	NA	NA
November 1998 .....	38.0	—	—	W	38.0	W
<b>Maine</b>						
November 1999 .....	W	W	46.9	NA	48.4	47.2
October 1999 .....	W	W	46.1	NA	48.6	47.8
November 1998 .....	W	W	30.8	W	31.9	W
<b>Massachusetts</b>						
November 1999 .....	NA	W	NA	W	NA	NA
October 1999 .....	NA	NA	45.6	W	45.7	NA
November 1998 .....	28.9	27.0	30.0	W	29.3	26.1
<b>New Hampshire</b>						
November 1999 .....	W	—	NA	NA	NA	NA
October 1999 .....	W	—	W	W	NA	W
November 1998 .....	W	—	29.1	W	31.2	W
<b>Rhode Island</b>						
November 1999 .....	W	W	W	—	50.2	W
October 1999 .....	50.1	NA	—	—	50.1	NA
November 1998 .....	38.6	W	W	W	37.4	W
<b>Vermont</b>						
November 1999 .....	W	—	W	—	W	—
October 1999 .....	W	—	W	—	W	—
November 1998 .....	W	—	W	—	33.8	—
<b>Subdistrict IB</b>						
November 1999 .....	54.2	49.7	NA	NA	NA	49.4
October 1999 .....	52.2	50.7	46.3	44.8	48.7	49.8
November 1998 .....	34.0	29.5	28.1	27.4	31.5	29.1
<b>Delaware</b>						
November 1999 .....	NA	W	NA	NA	NA	NA
October 1999 .....	NA	W	45.4	W	NA	W
November 1998 .....	W	—	26.5	W	28.9	W
<b>District of Columbia</b>						
November 1999 .....	—	—	—	—	—	—
October 1999 .....	—	—	—	—	—	—
November 1998 .....	W	—	—	—	W	—
<b>Maryland</b>						
November 1999 .....	W	W	46.2	NA	48.0	W
October 1999 .....	48.8	W	47.8	NA	48.5	W
November 1998 .....	30.8	W	29.8	W	30.6	28.7
<b>New Jersey</b>						
November 1999 .....	48.8	54.6	NA	42.4	NA	50.2
October 1999 .....	46.9	W	NA	W	45.4	47.4
November 1998 .....	29.4	32.0	29.0	24.5	29.3	28.2
<b>New York</b>						
November 1999 .....	NA	NA	47.3	NA	52.1	NA
October 1999 .....	63.1	51.7	47.5	48.2	52.2	51.6
November 1998 .....	37.8	30.2	28.1	29.3	33.2	30.1
<b>Pennsylvania</b>						
November 1999 .....	NA	W	NA	W	NA	48.2
October 1999 .....	NA	W	45.9	44.2	46.6	48.9
November 1998 .....	W	28.0	27.7	W	29.4	27.7

See footnotes at end of table.

**Table 42. Residual Fuel Oil Prices by PAD District and State**

(Cents per Gallon Excluding Taxes) — Continued

Geographic Area Month	Sulfur Less Than or Equal to 1 Percent		Sulfur Greater Than 1 Percent		Average	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
<b>Subdistrict IC</b>						
November 1999 .....	49.1	W	48.0	NA	48.5	W
October 1999 .....	48.4	W	48.4	43.3	48.4	45.5
November 1998 .....	35.8	W	29.3	W	29.8	30.5
<b>Florida</b>						
November 1999 .....	49.1	W	47.1	W	48.2	W
October 1999 .....	48.2	W	48.3	W	48.3	W
November 1998 .....	W	W	28.2	W	28.7	W
<b>Georgia</b>						
November 1999 .....	—	—	49.9	W	49.9	W
October 1999 .....	—	—	48.1	W	48.1	W
November 1998 .....	—	—	33.0	W	33.0	W
<b>North Carolina</b>						
November 1999 .....	W	—	49.6	45.6	49.8	45.6
October 1999 .....	W	—	49.6	44.2	49.8	44.2
November 1998 .....	W	—	30.4	28.8	31.0	28.8
<b>South Carolina</b>						
November 1999 .....	W	—	W	—	W	—
October 1999 .....	W	—	W	—	W	—
November 1998 .....	W	—	W	W	W	W
<b>Virginia</b>						
November 1999 .....	NA	W	47.3	W	47.4	W
October 1999 .....	NA	W	46.4	W	46.7	46.6
November 1998 .....	W	W	30.0	W	31.1	W
<b>West Virginia</b>						
November 1999 .....	W	—	—	—	W	—
October 1999 .....	W	—	—	—	W	—
November 1998 .....	W	W	—	—	W	W
<b>PAD District II</b>						
November 1999 .....	42.6	W	42.9	39.9	42.8	41.1
October 1999 .....	40.8	W	41.3	41.0	41.1	40.7
November 1998 .....	40.5	NA	34.5	27.3	37.6	30.1
<b>Illinois</b>						
November 1999 .....	W	W	W	—	W	W
October 1999 .....	W	W	W	—	W	W
November 1998 .....	W	W	W	NA	41.1	29.7
<b>Indiana</b>						
November 1999 .....	W	W	W	W	W	W
October 1999 .....	W	NA	42.7	W	42.8	W
November 1998 .....	W	W	33.0	W	33.4	W
<b>Iowa</b>						
November 1999 .....	W	—	—	—	W	—
October 1999 .....	W	—	—	—	W	—
November 1998 .....	W	—	—	—	W	—
<b>Kansas</b>						
November 1999 .....	W	—	W	W	41.5	W
October 1999 .....	W	—	W	W	37.7	W
November 1998 .....	—	—	38.6	W	38.6	W
<b>Kentucky</b>						
November 1999 .....	W	—	—	—	W	—
October 1999 .....	W	—	—	—	W	—
November 1998 .....	W	—	—	W	W	W
<b>Michigan</b>						
November 1999 .....	42.0	—	43.2	W	42.8	W
October 1999 .....	42.4	W	44.8	W	43.3	W
November 1998 .....	42.3	W	41.2	W	42.2	32.6
<b>Minnesota</b>						
November 1999 .....	—	—	W	W	W	W
October 1999 .....	—	—	33.9	W	33.9	W
November 1998 .....	—	—	W	W	W	W
<b>Missouri</b>						
November 1999 .....	44.7	—	—	—	44.7	—
October 1999 .....	43.9	NA	—	—	43.9	NA
November 1998 .....	W	—	W	—	W	—

See footnotes at end of table.

**Table 42. Residual Fuel Oil Prices by PAD District and State**

(Cents per Gallon Excluding Taxes) — Continued

Geographic Area Month	Sulfur Less Than or Equal to 1 Percent		Sulfur Greater Than 1 Percent		Average	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
<b>Nebraska</b>						
November 1999 .....	W	—	—	—	W	—
October 1999 .....	W	—	—	—	W	—
November 1998 .....	W	—	—	—	W	—
<b>North Dakota</b>						
November 1999 .....	—	—	W	—	W	—
October 1999 .....	—	W	W	—	W	W
November 1998 .....	—	—	W	—	W	—
<b>Ohio</b>						
November 1999 .....	46.9	—	39.0	W	44.7	W
October 1999 .....	50.0	—	43.3	44.1	44.4	44.1
November 1998 .....	W	—	W	W	35.1	W
<b>Oklahoma</b>						
November 1999 .....	—	—	W	W	W	W
October 1999 .....	—	—	W	W	W	W
November 1998 .....	—	—	W	W	W	W
<b>South Dakota</b>						
November 1999 .....	—	—	—	—	—	—
October 1999 .....	W	—	—	—	W	—
November 1998 .....	—	—	—	—	—	—
<b>Tennessee</b>						
November 1999 .....	W	—	W	W	W	W
October 1999 .....	W	NA	W	W	W	W
November 1998 .....	W	W	W	—	W	W
<b>Wisconsin</b>						
November 1999 .....	35.1	W	W	W	35.4	W
October 1999 .....	35.6	W	—	W	35.6	W
November 1998 .....	W	W	—	W	W	W
<b>PAD District III</b>						
November 1999 .....	W	42.9	NA	NA	NA	NA
October 1999 .....	W	39.2	48.5	44.2	48.5	43.8
November 1998 .....	W	22.6	26.8	23.2	26.8	23.1
<b>Alabama</b>						
November 1999 .....	W	—	NA	W	NA	W
October 1999 .....	W	—	NA	W	NA	W
November 1998 .....	W	W	W	NA	W	W
<b>Arkansas</b>						
November 1999 .....	—	—	W	—	W	—
October 1999 .....	—	—	W	—	W	—
November 1998 .....	—	—	—	—	—	—
<b>Louisiana</b>						
November 1999 .....	—	W	NA	NA	NA	NA
October 1999 .....	—	NA	47.8	43.3	47.8	43.3
November 1998 .....	—	—	27.0	22.1	27.0	22.1
<b>Mississippi</b>						
November 1999 .....	—	W	NA	NA	NA	41.4
October 1999 .....	—	W	NA	W	NA	40.4
November 1998 .....	—	W	NA	W	NA	W
<b>New Mexico</b>						
November 1999 .....	—	W	—	—	—	W
October 1999 .....	—	W	—	—	—	W
November 1998 .....	—	NA	—	—	—	NA
<b>Texas</b>						
November 1999 .....	—	42.0	46.2	NA	46.2	NA
October 1999 .....	—	41.8	47.0	44.6	47.0	44.5
November 1998 .....	—	W	24.9	23.5	24.9	23.6
<b>PAD District IV</b>						
November 1999 .....	NA	W	W	W	W	23.2
October 1999 .....	—	W	W	W	W	22.5
November 1998 .....	W	W	W	W	NA	19.6
<b>Colorado</b>						
November 1999 .....	—	—	—	—	—	—
October 1999 .....	—	—	—	—	—	—
November 1998 .....	—	—	—	—	—	—

See footnotes at end of table.

**Table 42. Residual Fuel Oil Prices by PAD District and State**

(Cents per Gallon Excluding Taxes) — Continued

Geographic Area Month	Sulfur Less Than or Equal to 1 Percent		Sulfur Greater Than 1 Percent		Average	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
<b>Idaho</b>						
November 1999 .....	—	—	—	—	—	—
October 1999 .....	—	—	—	—	—	—
November 1998 .....	—	—	—	—	—	—
<b>Montana</b>						
November 1999 .....	—	—	—	W	—	W
October 1999 .....	—	—	W	W	W	W
November 1998 .....	—	—	NA	NA	NA	NA
<b>Utah</b>						
November 1999 .....	NA	W	—	—	NA	W
October 1999 .....	—	W	—	—	—	W
November 1998 .....	W	—	—	W	W	W
<b>Wyoming</b>						
November 1999 .....	—	W	W	W	W	W
October 1999 .....	—	W	W	W	W	W
November 1998 .....	—	W	W	W	W	W
<b>PAD District V</b>						
November 1999 .....	NA	49.6	52.5	50.8	54.4	50.1
October 1999 .....	W	49.3	52.9	51.8	53.0	49.9
November 1998 .....	W	28.6	31.3	29.7	33.2	29.4
<b>Alaska</b>						
November 1999 .....	—	—	NA	NA	NA	NA
October 1999 .....	—	—	—	—	—	—
November 1998 .....	—	—	W	—	W	—
<b>Arizona</b>						
November 1999 .....	—	W	—	—	—	W
October 1999 .....	—	W	—	—	—	W
November 1998 .....	—	W	—	—	—	W
<b>California</b>						
November 1999 .....	W	49.5	51.0	51.9	51.0	50.2
October 1999 .....	W	49.2	54.0	52.7	54.0	49.6
November 1998 .....	W	27.6	30.4	30.2	30.4	29.3
<b>Hawaii</b>						
November 1999 .....	W	—	NA	W	NA	W
October 1999 .....	W	—	53.9	NA	53.4	NA
November 1998 .....	W	—	35.6	W	37.3	W
<b>Nevada</b>						
November 1999 .....	—	W	—	—	—	W
October 1999 .....	—	—	—	—	—	—
November 1998 .....	—	W	—	—	—	W
<b>Oregon</b>						
November 1999 .....	—	W	NA	NA	NA	NA
October 1999 .....	—	W	52.5	W	52.5	51.4
November 1998 .....	—	W	W	W	W	37.5
<b>Washington</b>						
November 1999 .....	W	W	NA	NA	NA	47.8
October 1999 .....	NA	W	49.8	49.9	49.8	50.7
November 1998 .....	—	W	31.3	28.0	31.3	28.6

Dash (—) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

Notes: Some State data are not sufficient for publication individually, but are used in calculating the PAD District average.

Notes: Values shown for the current month are preliminary. Values shown for previous months are revised. Data are final upon publication in the *Petroleum Marketing Annual*.

Sources: Energy Information Administration Forms EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report," and EIA-782B, "Resellers'/Retailers' Monthly Petroleum Product Sales Report."



# **Volumes of Petroleum Products**

**Table 43. Refiner Motor Gasoline Volumes by Grade, Sales Type, PAD District, and State**  
(Thousand Gallons per Day)

Geographic Area Month	Regular						Midgrade					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total
<b>United States</b>												
November 1999 .....	40,065.6	41,390.5	46,034.0	150,218.6	36,372.9	232,625.4	9,163.5	9,314.6	W	16,144.0	W	26,167.7
October 1999 .....	41,356.3	42,660.5	47,155.4	150,307.8	34,653.3	232,116.5	9,414.0	9,557.2	W	15,623.1	W	25,819.5
November 1998 .....	41,562.2	42,966.8	42,995.9	135,617.9	30,589.3	209,203.0	10,535.4	10,696.1	W	16,046.8	W	26,952.6
<b>PAD District I</b>												
November 1999 .....	10,968.1	11,521.4	16,629.0	45,296.6	9,995.0	71,920.6	2,817.6	2,902.6	3,931.4	6,101.0	NA	10,044.5
October 1999 .....	11,088.9	11,650.5	16,951.5	44,999.5	10,841.2	72,792.2	2,837.5	2,917.1	3,960.6	5,883.5	NA	9,852.8
November 1998 .....	10,009.9	10,492.4	15,905.4	41,409.9	6,917.4	64,232.7	2,850.2	2,928.7	4,132.8	6,031.8	—	10,164.6
<b>Subdistrict IA</b>												
November 1999 .....	NA	NA	2,868.9	4,703.6	NA	8,706.7	NA	NA	NA	423.8	—	970.0
October 1999 .....	NA	NA	W	4,613.9	W	9,469.1	NA	NA	NA	428.8	—	980.2
November 1998 .....	457.4	464.4	W	4,164.1	W	7,769.0	131.9	132.3	W	W	—	1,044.8
<b>Connecticut</b>												
November 1999 .....	W	W	NA	W	W	2,385.1	W	W	NA	122.6	—	287.9
October 1999 .....	W	W	NA	1,268.9	725.0	2,805.5	W	W	NA	122.2	—	287.2
November 1998 .....	W	W	818.4	1,151.9	NA	1,984.1	W	W	189.5	127.0	—	316.5
<b>Maine</b>												
November 1999 .....	—	—	W	930.1	W	1,014.9	—	—	W	W	—	80.1
October 1999 .....	—	—	W	W	—	953.8	—	—	W	W	—	80.6
November 1998 .....	—	—	W	W	—	892.8	—	—	W	W	—	91.8
<b>Massachusetts</b>												
November 1999 .....	334.9	338.4	1,517.3	1,587.9	NA	3,809.9	89.0	89.0	W	W	—	436.1
October 1999 .....	NA	NA	1,553.7	W	W	3,987.4	88.6	88.6	W	W	—	441.4
November 1998 .....	259.7	262.2	1,471.8	W	W	3,606.0	78.1	78.4	W	W	—	465.1
<b>New Hampshire</b>												
November 1999 .....	NA	NA	W	W	W	435.2	NA	NA	W	W	—	47.1
October 1999 .....	NA	NA	W	156.2	W	469.3	NA	NA	W	W	—	48.0
November 1998 .....	65.2	65.3	172.4	99.9	—	272.3	16.9	16.9	W	W	—	48.1
<b>Rhode Island</b>												
November 1999 .....	W	W	283.8	542.1	—	825.9	W	W	W	W	—	96.3
October 1999 .....	W	52.3	287.3	W	W	1,013.7	W	14.9	W	W	—	99.6
November 1998 .....	W	W	266.6	W	W	852.7	W	W	W	W	—	102.2
<b>Vermont</b>												
November 1999 .....	—	—	W	W	—	NA	—	—	NA	NA	—	NA
October 1999 .....	—	W	W	W	—	NA	—	W	W	W	—	NA
November 1998 .....	—	—	W	W	—	161.2	—	—	W	W	—	21.2
<b>Subdistrict IB</b>												
November 1999 .....	3,828.1	3,954.7	9,649.9	13,207.1	8,600.9	31,457.8	880.7	905.2	2,037.7	1,290.5	NA	3,340.4
October 1999 .....	3,876.0	4,008.0	W	13,009.7	W	31,318.8	887.4	911.5	2,047.5	1,292.7	NA	3,348.9
November 1998 .....	3,437.4	3,549.8	W	12,321.9	W	26,826.2	880.1	895.7	W	W	—	3,481.9
<b>Delaware</b>												
November 1999 .....	21.4	W	208.8	380.0	—	588.9	5.8	W	39.9	51.6	—	91.5
October 1999 .....	21.8	W	W	W	—	566.4	6.0	W	43.1	48.3	—	91.5
November 1998 .....	22.7	33.3	W	W	—	505.3	7.0	7.1	W	W	—	95.2
<b>District of Columbia</b>												
November 1999 .....	—	W	120.1	—	—	120.1	—	W	65.3	—	—	65.3
October 1999 .....	—	W	125.7	—	—	125.7	—	W	68.7	—	—	68.7
November 1998 .....	—	4.6	108.4	—	—	108.4	—	W	NA	—	—	NA
<b>Maryland</b>												
November 1999 .....	—	41.4	1,727.2	1,511.5	—	3,238.6	—	6.5	492.5	246.8	—	739.3
October 1999 .....	—	41.9	1,755.8	1,588.5	—	3,344.3	—	W	W	W	—	746.2
November 1998 .....	—	27.2	1,638.6	W	W	3,112.4	—	W	W	W	—	769.7
<b>New Jersey</b>												
November 1999 .....	778.9	803.3	2,621.2	2,290.4	6,331.1	11,242.8	186.1	189.4	554.1	270.3	—	824.3
October 1999 .....	819.0	845.0	2,675.0	2,319.4	5,940.5	10,934.9	185.0	188.0	555.2	275.4	—	830.6
November 1998 .....	774.2	793.6	2,539.1	2,137.7	3,947.1	8,623.9	204.2	207.1	552.7	292.0	—	844.7
<b>New York</b>												
November 1999 .....	1,410.4	1,440.9	W	4,005.8	W	7,647.4	237.9	250.2	601.9	199.2	NA	813.2
October 1999 .....	1,416.6	1,448.0	3,136.3	4,113.2	601.9	7,851.4	244.5	257.1	605.2	205.3	8.7	819.2
November 1998 .....	1,328.8	1,360.1	2,706.5	3,855.4	NA	6,895.4	261.3	266.3	590.2	224.0	—	814.2
<b>Pennsylvania</b>												
November 1999 .....	1,617.4	1,629.4	W	5,019.4	W	8,620.0	451.0	451.7	284.2	522.6	—	806.8
October 1999 .....	1,618.5	1,631.1	1,963.5	W	W	8,496.1	451.9	452.7	W	W	—	792.7
November 1998 .....	1,311.6	1,331.0	W	4,595.9	W	7,580.8	407.6	408.4	330.6	559.6	—	890.2

See footnotes at end of table.



**Table 43. Refiner Motor Gasoline Volumes by Grade, Sales Type, PAD District, and State**  
(Thousand Gallons per Day) — Continued

Geographic Area Month	Premium						All Grades					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total
<b>United States</b>												
November 1999 .....	7,780.1	8,009.0	W	29,223.9	W	50,723.5	57,009.2	58,714.1	71,600.6	195,586.4	42,329.6	309,516.6
October 1999 .....	8,000.1	8,215.5	W	28,246.0	W	50,289.8	58,770.4	60,433.1	72,879.4	194,176.9	41,169.5	308,225.7
November 1998 .....	9,928.4	10,183.9	W	31,416.7	W	54,000.6	62,026.0	63,846.8	71,583.4	183,081.4	35,491.4	290,156.2
<b>PAD District I</b>												
November 1999 .....	2,841.7	2,937.4	7,638.4	11,497.7	2,447.0	21,583.1	16,627.4	17,361.5	28,198.8	62,895.3	12,454.1	103,548.2
October 1999 .....	2,865.9	2,954.1	7,627.4	11,169.1	1,908.2	20,704.7	16,792.3	17,521.7	28,539.5	62,052.1	12,758.1	103,349.7
November 1998 .....	3,425.9	3,529.5	9,002.7	12,459.9	1,239.3	22,702.0	16,285.9	16,950.7	29,040.9	59,901.6	8,156.8	97,099.2
<b>Subdistrict 1A</b>												
November 1999 .....	NA	NA	820.5	948.3	393.7	2,162.5	NA	NA	4,235.6	6,075.7	1,527.9	11,839.1
October 1999 .....	NA	NA	W	927.2	W	2,143.2	NA	NA	4,280.7	5,969.9	2,341.8	12,592.5
November 1998 .....	158.7	158.7	W	W	W	2,117.0	748.0	755.4	W	5,629.6	W	10,930.8
<b>Connecticut</b>												
November 1999 .....	W	W	NA	W	W	663.7	W	W	NA	1,717.4	386.7	3,336.6
October 1999 .....	W	W	NA	293.7	107.2	659.3	W	W	NA	1,684.8	832.2	3,752.0
November 1998 .....	W	W	313.4	321.8	—	635.2	W	W	1,321.3	1,600.8	NA	2,935.8
<b>Maine</b>												
November 1999 .....	—	—	W	W	—	127.8	—	—	W	1,124.2	W	1,222.8
October 1999 .....	—	—	W	124.1	W	198.2	—	—	W	1,108.1	W	1,232.6
November 1998 .....	—	—	W	W	—	166.5	—	—	W	W	—	1,151.1
<b>Massachusetts</b>												
November 1999 .....	87.7	87.7	W	348.9	W	1,014.5	511.6	515.1	2,221.7	W	W	5,260.6
October 1999 .....	NA	NA	W	325.2	W	954.6	512.2	NA	2,267.2	W	W	5,383.5
November 1998 .....	88.8	88.8	W	376.7	W	997.6	426.7	429.4	2,290.0	W	W	5,068.6
<b>New Hampshire</b>												
November 1999 .....	NA	NA	38.4	W	W	114.9	NA	NA	253.5	W	W	597.2
October 1999 .....	NA	NA	36.3	W	W	81.1	NA	NA	245.8	W	W	598.5
November 1998 .....	18.5	18.5	W	W	—	63.7	100.6	100.7	253.5	130.6	—	384.1
<b>Rhode Island</b>												
November 1999 .....	W	W	W	W	—	202.6	W	W	411.8	713.0	—	1,124.8
October 1999 .....	W	11.2	W	W	—	210.2	W	78.4	414.6	W	W	1,323.5
November 1998 .....	W	W	88.1	132.2	—	220.3	W	W	W	659.3	W	1,175.1
<b>Vermont</b>												
November 1999 .....	—	—	W	W	—	NA	—	—	W	W	—	NA
October 1999 .....	—	W	W	W	—	NA	—	W	W	W	—	NA
November 1998 .....	—	—	W	W	—	33.8	—	—	W	W	—	216.2
<b>Subdistrict 1B</b>												
November 1999 .....	963.8	982.0	4,672.1	3,078.9	1,810.7	9,561.7	5,672.7	5,841.9	16,359.7	17,576.5	10,423.7	44,359.9
October 1999 .....	974.4	992.8	W	3,046.6	W	9,188.6	5,737.8	5,912.3	16,589.9	17,349.0	9,917.4	43,856.3
November 1998 .....	1,143.0	1,160.9	5,488.8	W	W	9,947.1	5,460.5	5,606.4	W	17,107.2	W	40,255.2
<b>Delaware</b>												
November 1999 .....	5.5	W	49.6	75.0	—	124.6	32.7	47.6	298.3	506.6	—	804.9
October 1999 .....	5.7	7.0	W	W	—	115.0	33.5	49.2	315.5	457.4	—	772.9
November 1998 .....	7.3	8.7	58.8	71.7	—	130.5	37.0	49.0	W	W	—	731.0
<b>District of Columbia</b>												
November 1999 .....	—	W	115.3	—	—	115.3	—	8.3	300.7	—	—	300.7
October 1999 .....	—	W	122.7	—	—	122.7	—	9.5	317.1	—	—	317.1
November 1998 .....	—	W	NA	—	—	NA	—	7.6	NA	—	—	NA
<b>Maryland</b>												
November 1999 .....	—	6.1	681.6	416.5	—	1,098.2	—	54.0	2,901.3	2,174.8	—	5,076.1
October 1999 .....	—	W	W	W	W	1,108.5	—	53.4	2,916.3	W	W	5,199.1
November 1998 .....	—	W	W	W	—	1,295.3	—	38.8	3,014.3	W	W	5,177.4
<b>New Jersey</b>												
November 1999 .....	293.8	297.4	1,381.5	794.7	890.6	3,066.7	1,258.7	1,290.1	4,556.8	3,355.4	7,221.7	15,133.8
October 1999 .....	308.5	312.8	1,384.6	783.3	NA	2,437.3	1,312.5	1,345.8	4,614.9	3,378.0	6,209.9	14,202.8
November 1998 .....	364.0	367.6	1,603.7	869.0	483.1	2,955.8	1,342.3	1,368.4	4,695.5	3,298.7	4,430.2	12,424.3
<b>New York</b>												
November 1999 .....	331.8	336.2	W	854.0	W	3,084.8	1,980.1	2,027.3	5,520.6	5,059.0	965.9	11,545.4
October 1999 .....	328.9	333.5	1,857.6	875.6	617.0	3,350.3	1,990.1	2,038.5	5,599.2	5,194.0	1,227.6	12,020.8
November 1998 .....	403.0	406.7	2,095.7	942.4	149.1	3,187.2	1,993.2	2,033.1	5,392.4	5,021.8	482.6	10,896.8
<b>Pennsylvania</b>												
November 1999 .....	332.7	333.4	W	938.7	W	2,072.1	2,401.1	2,414.6	2,782.1	6,480.7	NA	11,498.9
October 1999 .....	331.3	332.0	W	900.7	W	2,054.9	2,401.7	2,415.8	2,826.9	W	W	11,343.7
November 1998 .....	368.7	370.2	W	1,088.3	W	2,224.1	2,088.0	2,109.6	3,020.3	6,243.8	1,431.0	10,695.1

See footnotes at end of table.

**Table 43. Refiner Motor Gasoline Volumes by Grade, Sales Type, PAD District, and State**  
(Thousand Gallons per Day) — Continued

Geographic Area Month	Regular						Midgrade					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total
<b>Subdistrict IC</b>												
November 1999 .....	6,578.7	6,995.7	4,110.2	27,386.0	259.9	31,756.1	1,796.7	1,857.2	1,347.5	4,386.7	—	5,734.2
October 1999 .....	6,649.2	7,069.1	4,157.2	27,375.9	471.3	32,004.4	1,810.0	1,865.0	1,361.7	4,162.0	—	5,523.7
November 1998 .....	6,115.1	6,478.2	W	24,923.9	W	29,637.5	1,838.2	1,900.7	1,409.2	4,228.6	—	5,637.8
<b>Florida</b>												
November 1999 .....	3,129.5	3,293.1	W	6,723.1	W	9,040.9	847.2	864.8	W	W	—	1,891.6
October 1999 .....	3,018.9	3,189.4	2,297.8	W	W	8,956.4	831.0	847.6	W	W	—	1,789.5
November 1998 .....	2,799.7	2,921.5	2,203.4	W	W	8,711.8	841.1	862.8	794.7	1,118.3	—	1,912.9
<b>Georgia</b>												
November 1999 .....	1,234.1	1,307.3	528.1	W	W	6,448.3	379.0	394.9	W	W	—	1,008.4
October 1999 .....	1,308.2	1,385.2	543.5	W	W	6,600.5	389.3	403.4	W	W	—	999.8
November 1998 .....	1,206.5	1,273.0	W	5,292.1	W	5,862.0	398.0	415.7	W	W	—	926.0
<b>North Carolina</b>												
November 1999 .....	537.6	618.0	W	W	—	6,862.4	146.0	150.1	W	W	—	1,221.9
October 1999 .....	556.8	635.1	W	6,810.2	W	6,861.4	151.3	154.4	W	W	—	1,118.5
November 1998 .....	503.4	593.2	W	6,207.3	W	6,304.4	154.7	158.8	W	W	—	1,177.1
<b>South Carolina</b>												
November 1999 .....	573.6	615.6	123.7	3,195.8	—	3,319.5	141.4	148.9	20.1	478.5	—	498.6
October 1999 .....	614.1	656.0	123.1	3,229.5	—	3,352.6	146.1	155.2	20.3	469.6	—	489.9
November 1998 .....	548.4	589.3	W	W	—	3,015.2	151.9	158.6	W	W	—	501.5
<b>Virginia</b>												
November 1999 .....	675.0	723.9	1,111.8	4,592.0	86.2	5,790.0	184.4	197.7	353.0	710.1	—	1,063.0
October 1999 .....	695.0	739.8	1,133.5	4,638.5	78.2	5,850.3	187.3	197.7	354.7	714.0	—	1,068.6
November 1998 .....	650.0	684.6	1,079.9	4,062.1	NA	5,423.9	188.5	198.8	362.9	702.5	—	1,065.4
<b>West Virginia</b>												
November 1999 .....	429.0	437.8	W	W	—	295.0	98.8	100.8	W	W	—	50.7
October 1999 .....	456.2	463.6	W	W	—	383.3	105.0	106.7	W	W	—	57.4
November 1998 .....	407.1	416.4	W	W	—	320.2	104.1	105.9	W	W	—	54.9
<b>PAD District II</b>												
November 1999 .....	11,866.1	12,288.2	7,173.4	57,964.1	6,158.5	71,295.9	2,253.0	2,283.3	1,804.2	5,088.8	—	6,893.1
October 1999 .....	12,419.5	12,850.8	7,716.0	58,261.6	5,287.4	71,265.0	2,410.5	2,442.6	1,936.0	4,984.7	—	6,920.7
November 1998 .....	14,159.2	14,620.0	7,085.1	50,976.6	5,434.5	63,496.2	3,073.0	3,101.9	1,936.3	4,615.6	—	6,551.9
<b>Illinois</b>												
November 1999 .....	1,279.8	1,296.1	W	5,947.9	W	8,813.8	313.8	314.4	616.1	460.7	—	1,076.8
October 1999 .....	1,352.9	1,374.0	W	6,154.7	W	8,789.2	327.7	328.4	617.7	474.9	—	1,092.6
November 1998 .....	2,173.9	2,182.9	W	4,969.4	W	7,922.3	561.3	561.8	589.6	583.8	—	1,173.3
<b>Indiana</b>												
November 1999 .....	1,011.2	1,025.0	604.2	4,552.2	426.5	5,583.0	206.8	206.8	135.7	429.8	—	565.5
October 1999 .....	1,048.8	1,064.6	W	4,538.5	W	5,418.9	218.0	218.0	134.8	460.4	—	595.2
November 1998 .....	1,168.0	1,210.8	629.4	3,881.1	NA	4,812.0	281.6	281.6	159.6	451.5	—	611.0
<b>Iowa</b>												
November 1999 .....	W	109.9	W	W	—	3,073.5	W	W	W	W	—	487.6
October 1999 .....	W	109.9	W	W	—	3,065.7	W	W	W	W	—	489.9
November 1998 .....	W	W	W	W	—	2,947.3	W	W	W	W	—	393.3
<b>Kansas</b>												
November 1999 .....	392.9	398.5	W	2,685.5	W	3,443.3	50.1	50.1	W	W	—	87.0
October 1999 .....	395.1	405.5	W	2,594.4	W	3,365.0	50.2	51.3	W	W	—	83.7
November 1998 .....	463.8	478.4	NA	2,347.0	856.1	3,303.6	57.7	58.5	W	W	—	77.7
<b>Kentucky</b>												
November 1999 .....	549.9	600.9	W	3,333.2	W	3,652.2	112.3	115.2	W	W	—	411.4
October 1999 .....	588.3	621.4	W	3,354.1	W	3,524.1	123.7	126.7	W	W	—	408.8
November 1998 .....	508.9	556.1	127.6	2,849.0	—	2,976.6	131.4	133.1	W	W	—	436.6
<b>Michigan</b>												
November 1999 .....	1,650.3	1,734.8	1,816.8	7,337.9	—	9,154.8	233.5	234.7	356.9	289.2	—	646.1
October 1999 .....	1,793.3	1,885.0	1,931.4	W	W	9,357.5	257.4	258.7	W	W	—	682.9
November 1998 .....	2,395.9	2,503.4	1,743.4	5,995.0	—	7,738.4	374.3	376.4	399.8	276.0	—	675.8
<b>Minnesota</b>												
November 1999 .....	937.4	941.4	W	3,421.2	W	4,001.5	147.1	148.1	W	W	—	761.8
October 1999 .....	968.1	975.4	W	3,365.1	W	4,020.5	153.7	154.5	W	W	—	751.8
November 1998 .....	833.3	847.3	W	W	262.4	3,918.4	167.4	167.4	W	W	—	601.3
<b>Missouri</b>												
November 1999 .....	519.9	531.8	W	4,312.4	W	4,816.7	80.6	80.9	W	W	—	264.3
October 1999 .....	504.5	519.6	W	W	—	4,797.8	78.2	78.5	W	W	—	267.5
November 1998 .....	633.1	650.4	NA	3,944.0	—	4,289.8	140.2	140.7	NA	110.6	—	214.3

See footnotes at end of table.

**Table 43. Refiner Motor Gasoline Volumes by Grade, Sales Type, PAD District, and State**  
(Thousand Gallons per Day) — Continued

Geographic Area Month	Premium						All Grades					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total
<b>Subdistrict IC</b>												
November 1999 .....	1,734.1	1,811.6	2,145.8	7,470.5	242.6	9,858.9	10,109.6	10,664.6	7,603.5	39,243.2	502.5	47,349.1
October 1999 .....	1,747.6	1,817.2	2,150.0	7,195.3	NA	9,372.9	10,206.7	10,751.3	7,668.9	38,733.2	498.8	46,901.0
November 1998 .....	2,124.2	2,209.9	W	8,012.3	W	10,637.9	10,077.4	10,588.8	7,881.6	37,164.8	866.8	45,913.2
<b>Florida</b>												
November 1999 .....	951.7	972.6	1,294.8	W	W	3,248.0	4,928.4	5,130.5	W	9,787.9	W	14,180.5
October 1999 .....	934.4	953.2	1,297.4	1,768.7	—	3,066.1	4,784.3	4,990.2	W	9,432.2	W	13,811.9
November 1998 .....	1,143.0	1,167.7	1,555.1	W	W	3,607.2	4,783.7	4,952.0	4,553.2	9,294.6	384.2	14,232.0
<b>Georgia</b>												
November 1999 .....	323.4	341.3	W	W	W	1,831.1	1,936.5	2,043.5	999.6	W	W	9,287.8
October 1999 .....	338.3	355.2	W	W	—	1,735.3	2,035.7	2,143.8	1,026.1	W	W	9,335.5
November 1998 .....	398.0	420.8	NA	1,645.2	—	1,917.5	2,002.5	2,109.6	969.2	W	W	8,705.5
<b>North Carolina</b>												
November 1999 .....	115.8	131.6	W	1,927.6	W	1,970.9	799.4	899.8	W	9,965.7	W	10,055.2
October 1999 .....	119.8	134.7	W	W	—	1,860.7	827.9	924.2	W	9,774.7	W	9,840.6
November 1998 .....	147.3	162.7	W	W	W	2,103.1	805.3	914.7	W	9,458.8	W	9,584.6
<b>South Carolina</b>												
November 1999 .....	104.1	113.1	29.8	803.5	—	833.3	819.1	877.5	173.6	4,477.8	—	4,651.4
October 1999 .....	109.5	118.6	29.0	783.8	—	812.9	869.7	929.8	172.4	4,482.9	—	4,655.3
November 1998 .....	138.1	147.7	W	898.8	W	936.8	838.4	895.6	W	4,290.5	W	4,453.5
<b>Virginia</b>												
November 1999 .....	191.9	204.7	551.7	1,248.6	103.0	1,903.2	1,051.3	1,126.2	2,016.4	6,550.7	189.2	8,756.3
October 1999 .....	193.6	202.5	548.8	1,234.4	NA	1,810.7	1,075.8	1,140.1	2,037.0	6,586.9	NA	8,729.6
November 1998 .....	232.5	244.1	666.1	1,294.8	NA	1,993.7	1,071.1	1,127.6	2,108.9	6,059.4	NA	8,483.0
<b>West Virginia</b>												
November 1999 .....	47.2	48.3	W	W	—	72.4	574.9	587.0	W	W	—	418.0
October 1999 .....	52.1	53.0	W	W	—	87.2	613.2	623.3	W	W	—	527.9
November 1998 .....	65.3	66.9	W	W	—	79.6	576.5	589.3	W	W	—	454.6
<b>PAD District II</b>												
November 1999 .....	1,621.3	1,701.3	1,878.5	8,520.1	261.9	10,660.5	15,740.4	16,272.8	10,856.1	71,573.0	6,420.4	88,849.5
October 1999 .....	1,759.3	1,835.5	1,998.6	8,317.5	199.4	10,515.5	16,589.4	17,128.9	11,650.6	71,563.8	5,486.8	88,701.2
November 1998 .....	2,591.5	2,661.5	2,249.8	9,047.6	366.4	11,663.7	19,823.7	20,383.4	11,271.2	64,639.7	5,800.9	81,711.8
<b>Illinois</b>												
November 1999 .....	260.9	261.7	W	970.3	W	1,662.4	1,854.5	1,872.2	2,948.8	7,378.9	1,225.4	11,553.0
October 1999 .....	275.5	276.8	W	970.1	W	1,721.3	1,956.0	1,979.2	2,959.6	7,599.7	1,043.8	11,603.1
November 1998 .....	518.9	522.9	W	885.0	W	1,668.6	3,254.0	3,267.6	2,814.7	6,438.2	1,511.3	10,764.2
<b>Indiana</b>												
November 1999 .....	131.2	131.3	164.5	743.0	40.2	947.7	1,349.2	1,363.1	904.4	5,725.1	466.8	7,096.2
October 1999 .....	144.5	144.6	W	738.5	W	941.5	1,411.4	1,427.2	914.7	5,737.4	303.4	6,955.5
November 1998 .....	226.0	226.1	205.4	795.7	—	1,001.1	1,675.6	1,718.4	994.4	5,128.3	NA	6,424.2
<b>Iowa</b>												
November 1999 .....	10.3	W	W	W	—	212.5	128.0	128.8	W	W	—	3,773.5
October 1999 .....	10.7	W	W	W	—	203.8	122.9	125.0	W	W	—	3,759.5
November 1998 .....	12.9	13.0	W	W	—	230.0	141.3	144.5	W	W	—	3,570.6
<b>Kansas</b>												
November 1999 .....	49.2	49.2	W	W	W	327.0	492.1	497.8	W	3,028.9	W	3,857.2
October 1999 .....	50.9	51.6	W	W	W	298.2	496.1	508.4	W	2,904.0	W	3,747.0
November 1998 .....	62.3	63.6	W	W	W	359.8	583.8	600.5	NA	W	W	3,741.0
<b>Kentucky</b>												
November 1999 .....	64.8	92.8	W	W	W	728.2	727.0	808.9	W	4,405.5	W	4,791.8
October 1999 .....	77.1	91.9	W	W	—	714.8	789.1	840.0	W	4,419.5	W	4,647.6
November 1998 .....	102.9	109.4	W	W	—	771.4	743.2	798.6	194.4	3,990.1	—	4,184.5
<b>Michigan</b>												
November 1999 .....	142.9	160.1	378.2	964.6	—	1,342.9	2,026.6	2,129.7	2,552.0	8,591.8	—	11,143.8
October 1999 .....	164.0	190.9	403.6	972.8	—	1,376.4	2,214.7	2,334.7	W	8,679.1	W	11,416.8
November 1998 .....	292.6	315.5	435.5	997.1	—	1,432.7	3,062.8	3,195.3	2,578.7	7,268.2	—	9,846.9
<b>Minnesota</b>												
November 1999 .....	88.1	88.2	W	W	—	354.6	1,172.6	1,177.7	W	4,411.1	W	5,117.8
October 1999 .....	94.8	94.8	W	W	—	355.2	1,216.5	1,224.6	W	4,339.5	W	5,127.5
November 1998 .....	107.8	107.8	W	402.0	W	526.0	1,108.5	1,122.5	W	4,286.1	W	5,045.7
<b>Missouri</b>												
November 1999 .....	57.6	58.0	W	W	—	699.3	658.1	670.6	W	5,014.2	W	5,780.3
October 1999 .....	55.9	56.2	W	W	—	685.3	638.5	654.4	W	W	—	5,750.6
November 1998 .....	105.0	105.6	NA	627.7	—	731.3	878.3	896.7	NA	4,682.3	—	5,235.4

See footnotes at end of table.

**Table 43. Refiner Motor Gasoline Volumes by Grade, Sales Type, PAD District, and State**  
(Thousand Gallons per Day) — Continued

Geographic Area Month	Regular						Midgrade					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total
<b>Nebraska</b>												
November 1999 .....	47.3	49.1	W	W	—	1,713.6	W	W	W	W	—	162.9
October 1999 .....	46.4	48.7	W	W	—	1,904.7	W	W	W	W	—	130.4
November 1998 .....	48.9	50.1	NA	1,564.3	—	1,666.0	W	W	NA	75.0	—	93.9
<b>North Dakota</b>												
November 1999 .....	W	3.5	W	W	—	955.2	W	W	W	W	—	64.6
October 1999 .....	W	3.5	W	W	—	977.4	W	W	W	W	—	61.0
November 1998 .....	W	W	NA	789.8	—	852.4	W	W	W	W	—	NA
<b>Ohio</b>												
November 1999 .....	3,368.5	3,522.2	1,367.3	5,898.0	281.9	7,547.1	723.7	746.3	197.6	599.8	—	797.4
October 1999 .....	3,563.9	3,718.8	W	5,801.4	W	7,506.7	785.6	809.5	295.9	500.0	—	795.9
November 1998 .....	3,571.4	3,711.6	1,658.1	W	W	6,678.6	882.3	904.2	W	W	—	795.5
<b>Oklahoma</b>												
November 1999 .....	530.7	556.1	W	W	3,140.9	6,412.9	107.8	107.9	W	W	—	41.6
October 1999 .....	537.8	562.2	W	W	3,012.2	6,372.0	109.4	109.5	W	W	—	37.2
November 1998 .....	659.7	685.6	W	2,793.1	W	5,206.5	127.0	127.2	W	W	—	37.6
<b>South Dakota</b>												
November 1999 .....	5.1	5.4	9.5	907.7	—	917.2	W	W	W	W	—	59.7
October 1999 .....	5.2	6.4	10.5	958.5	—	969.1	W	W	W	W	—	60.4
November 1998 .....	8.9	9.8	NA	825.9	—	849.1	W	W	NA	54.7	—	63.6
<b>Tennessee</b>												
November 1999 .....	1,034.4	1,076.7	142.6	5,888.8	—	6,031.4	208.5	209.9	52.4	915.6	—	967.9
October 1999 .....	1,056.2	1,098.1	154.2	5,892.7	—	6,047.0	240.2	241.1	59.2	889.5	—	948.6
November 1998 .....	967.5	996.3	119.5	5,373.0	—	5,492.5	253.8	254.9	62.4	978.8	—	1,041.2
<b>Wisconsin</b>												
November 1999 .....	427.1	436.9	W	W	—	5,179.9	55.1	55.3	W	W	—	498.4
October 1999 .....	448.9	457.7	W	W	—	5,149.5	57.0	57.0	W	W	—	514.8
November 1998 .....	600.6	608.4	W	W	—	4,842.7	83.2	83.3	W	W	—	290.5
<b>PAD District III</b>												
November 1999 .....	6,467.5	6,570.4	1,297.7	29,785.5	15,956.3	47,039.5	1,548.4	1,562.8	385.5	3,278.0	—	3,663.5
October 1999 .....	6,513.1	6,618.6	1,371.6	29,309.8	14,548.4	45,229.8	1,550.2	1,563.3	403.2	3,193.1	—	3,596.3
November 1998 .....	6,275.8	6,449.7	1,468.9	27,206.6	13,535.6	42,211.0	1,674.5	1,695.5	457.3	3,466.8	—	3,924.2
<b>Alabama</b>												
November 1999 .....	242.3	275.4	W	3,480.8	W	3,686.0	66.4	73.1	W	W	—	598.4
October 1999 .....	247.5	275.6	102.5	3,409.7	—	3,512.2	67.2	73.3	35.5	554.7	—	590.2
November 1998 .....	242.1	271.8	76.6	3,391.4	—	3,467.9	71.5	77.2	27.9	615.2	—	643.1
<b>Arkansas</b>												
November 1999 .....	150.2	154.0	—	W	W	2,992.0	22.4	22.5	—	224.1	—	224.1
October 1999 .....	131.9	135.6	—	W	W	2,921.9	20.8	20.8	—	216.2	—	216.2
November 1998 .....	170.6	170.8	W	2,502.7	W	2,832.9	34.2	34.4	W	W	—	304.9
<b>Louisiana</b>												
November 1999 .....	734.8	748.7	205.8	3,158.9	1,766.7	5,131.4	200.3	200.6	76.5	389.8	—	466.3
October 1999 .....	752.4	766.0	204.8	3,289.7	1,523.6	5,018.1	209.9	210.1	73.8	380.6	—	454.5
November 1998 .....	704.2	719.1	W	2,811.1	W	4,758.9	218.5	218.6	87.0	432.1	—	519.0
<b>Mississippi</b>												
November 1999 .....	121.6	154.4	W	2,494.2	W	3,233.4	23.9	28.2	W	W	—	339.2
October 1999 .....	117.2	154.3	W	2,319.2	W	3,162.3	23.5	28.5	W	W	—	324.5
November 1998 .....	105.8	117.3	4.4	W	W	2,327.0	25.0	28.2	W	W	—	301.1
<b>New Mexico</b>												
November 1999 .....	425.5	433.6	W	W	—	1,434.8	78.0	78.5	W	W	—	76.4
October 1999 .....	441.8	442.7	W	W	—	1,483.8	76.5	76.5	W	W	—	79.1
November 1998 .....	471.9	473.7	W	W	—	1,318.6	93.7	93.7	W	W	—	87.6
<b>Texas</b>												
November 1999 .....	4,793.1	4,804.3	903.9	16,658.1	12,999.9	30,561.9	1,157.5	1,159.9	266.8	1,692.3	—	1,959.2
October 1999 .....	4,822.3	4,844.4	976.3	16,314.5	11,840.6	29,131.4	1,152.3	1,154.1	283.9	1,648.0	—	1,931.8
November 1998 .....	4,581.2	4,697.0	1,062.3	15,104.7	11,338.7	27,505.7	1,231.6	1,243.4	331.8	1,736.7	—	2,068.4
<b>PAD District IV</b>												
November 1999 .....	1,628.3	1,655.1	W	5,853.7	W	6,657.2	598.2	600.2	146.1	566.6	—	712.8
October 1999 .....	1,688.4	1,719.3	696.1	W	W	6,723.1	607.3	609.4	W	W	—	674.8
November 1998 .....	1,691.3	1,783.1	664.5	W	W	5,920.7	691.8	702.7	W	W	—	755.1
<b>Colorado</b>												
November 1999 .....	1,222.2	1,225.1	W	2,142.7	W	2,389.5	454.5	454.7	W	W	—	292.9
October 1999 .....	1,265.4	1,270.9	W	2,225.9	W	2,469.5	458.8	459.3	W	W	—	295.5
November 1998 .....	1,222.0	1,225.2	W	1,886.0	W	2,090.6	511.9	512.2	53.2	247.8	—	301.0

See footnotes at end of table.

**Table 43. Refiner Motor Gasoline Volumes by Grade, Sales Type, PAD District, and State**  
(Thousand Gallons per Day) — Continued

Geographic Area Month	Premium						All Grades					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total
<b>Nebraska</b>												
November 1999 .....	W	W	W	W	—	141.7	54.6	56.4	W	W	—	2,018.3
October 1999 .....	W	W	W	W	—	154.8	53.8	56.1	W	W	—	2,189.8
November 1998 .....	W	W	NA	112.3	—	132.8	56.6	57.7	NA	1,751.6	—	1,892.7
<b>North Dakota</b>												
November 1999 .....	W	W	W	W	—	46.0	W	3.9	W	W	—	1,065.8
October 1999 .....	W	W	W	W	—	47.5	W	3.9	W	W	—	1,085.9
November 1998 .....	W	W	W	W	—	62.4	W	W	NA	875.5	—	961.0
<b>Ohio</b>												
November 1999 .....	383.2	405.9	271.0	873.2	—	1,144.2	4,475.5	4,674.4	1,835.8	7,371.0	281.9	9,488.7
October 1999 .....	431.8	455.1	W	825.2	W	1,179.0	4,781.4	4,983.4	2,305.0	7,126.5	50.2	9,481.7
November 1998 .....	572.3	596.8	417.2	907.1	—	1,324.3	5,026.0	5,212.6	W	6,218.7	W	8,798.4
<b>Oklahoma</b>												
November 1999 .....	95.1	100.2	W	562.4	W	750.0	733.7	764.2	W	3,850.7	W	7,204.5
October 1999 .....	96.1	100.4	W	537.9	W	604.0	743.3	772.1	W	3,908.6	W	7,013.2
November 1998 .....	144.1	149.5	W	W	204.1	780.2	930.8	962.2	W	3,402.2	W	6,024.3
<b>South Dakota</b>												
November 1999 .....	0.5	W	W	W	—	59.1	W	9.3	16.7	1,019.2	—	1,035.9
October 1999 .....	0.5	W	W	W	—	64.0	W	10.3	17.7	1,075.8	—	1,093.5
November 1998 .....	0.7	0.7	NA	58.6	—	63.4	W	W	NA	939.3	—	976.1
<b>Tennessee</b>												
November 1999 .....	293.3	298.5	62.7	1,581.6	—	1,644.3	1,536.2	1,585.1	257.6	8,386.0	—	8,643.7
October 1999 .....	309.5	313.2	70.2	1,516.9	—	1,587.1	1,605.8	1,652.4	283.5	8,299.1	—	8,582.7
November 1998 .....	364.3	368.0	NA	1,847.4	—	1,921.3	1,585.5	1,619.2	255.9	8,199.2	—	8,455.1
<b>Wisconsin</b>												
November 1999 .....	38.1	38.7	W	W	—	600.7	520.3	530.8	W	W	—	6,279.0
October 1999 .....	42.0	42.5	W	W	—	582.6	547.9	557.3	W	W	—	6,246.9
November 1998 .....	75.0	75.7	W	W	—	658.4	758.8	767.4	W	W	—	5,791.6
<b>PAD District III</b>												
November 1999 .....	1,401.5	1,421.2	472.0	6,091.4	2,595.9	9,159.3	9,417.4	9,554.4	2,155.1	39,155.0	18,552.2	59,862.3
October 1999 .....	1,403.4	1,422.0	486.4	5,795.2	3,826.6	10,108.2	9,466.6	9,603.9	2,261.2	38,298.2	18,374.9	58,934.3
November 1998 .....	1,609.2	1,633.3	626.5	6,666.9	2,446.8	9,740.1	9,559.5	9,778.5	2,552.7	37,340.3	15,982.3	55,875.3
<b>Alabama</b>												
November 1999 .....	43.7	52.1	W	W	—	992.0	352.3	400.5	W	4,997.8	W	5,276.4
October 1999 .....	47.1	53.9	38.8	912.5	—	951.3	361.8	402.8	176.9	4,876.9	—	5,053.8
November 1998 .....	67.3	75.9	35.0	1,137.6	—	1,172.6	380.9	424.9	139.4	5,144.2	—	5,283.6
<b>Arkansas</b>												
November 1999 .....	20.5	20.6	—	W	W	517.3	193.1	197.2	—	W	W	3,733.4
October 1999 .....	20.1	20.2	—	W	W	542.1	172.9	176.6	—	W	W	3,680.1
November 1998 .....	35.3	35.6	W	W	—	619.9	240.2	240.8	W	3,424.8	W	3,757.6
<b>Louisiana</b>												
November 1999 .....	176.0	179.0	115.4	780.8	850.3	1,746.5	1,111.1	1,128.3	397.6	4,329.6	2,617.0	7,344.2
October 1999 .....	178.0	181.1	109.7	750.8	1,018.1	1,878.6	1,140.3	1,157.2	388.3	4,421.2	2,541.7	7,351.3
November 1998 .....	208.0	211.7	W	861.2	W	1,815.3	1,130.7	1,149.4	451.1	4,104.3	2,537.8	7,093.2
<b>Mississippi</b>												
November 1999 .....	22.8	28.3	1.8	W	W	721.9	168.3	210.9	W	3,448.7	W	4,294.6
October 1999 .....	21.3	27.8	W	W	W	724.6	162.0	210.6	W	3,204.9	W	4,211.4
November 1998 .....	24.3	27.0	W	646.7	W	683.4	155.1	172.5	7.5	W	W	3,311.6
<b>New Mexico</b>												
November 1999 .....	49.3	49.8	W	W	—	237.1	552.7	561.9	W	W	—	1,748.3
October 1999 .....	48.1	48.8	W	W	—	244.6	566.4	568.0	W	W	—	1,807.5
November 1998 .....	61.8	61.8	W	W	—	243.3	627.3	629.2	W	W	—	1,649.4
<b>Texas</b>												
November 1999 .....	1,089.1	1,091.4	307.5	3,022.8	1,614.1	4,944.4	7,039.7	7,055.6	1,478.2	21,373.2	14,614.1	37,465.5
October 1999 .....	1,088.8	1,090.2	322.3	2,864.1	2,580.6	5,766.9	7,063.4	7,088.8	1,582.4	20,826.6	14,421.2	36,830.2
November 1998 .....	1,212.6	1,221.3	419.3	3,177.6	1,608.8	5,205.7	7,025.4	7,161.7	1,813.3	20,019.0	12,947.6	34,779.9
<b>PAD District IV</b>												
November 1999 .....	334.9	345.7	W	1,267.6	W	1,425.7	2,561.4	2,601.0	W	7,688.0	W	8,795.6
October 1999 .....	329.8	341.0	W	1,174.3	W	1,351.7	2,625.5	2,669.6	W	7,658.2	W	8,749.6
November 1998 .....	400.9	431.1	W	1,209.2	W	1,392.9	2,784.0	2,916.9	W	6,973.7	W	8,068.7
<b>Colorado</b>												
November 1999 .....	260.6	260.9	53.6	W	W	527.5	1,937.3	1,940.8	W	2,821.8	W	3,209.9
October 1999 .....	254.4	254.9	W	445.1	W	513.7	1,978.5	1,985.1	295.2	W	W	3,278.7
November 1998 .....	291.0	291.3	W	428.8	W	497.3	2,024.8	2,028.6	W	2,562.6	W	2,888.9

See footnotes at end of table.

**Table 43. Refiner Motor Gasoline Volumes by Grade, Sales Type, PAD District, and State**  
(Thousand Gallons per Day) — Continued

Geographic Area Month	Regular						Midgrade					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total
<b>Idaho</b>												
November 1999 .....	58.7	61.6	W	W	—	1,069.4	7.0	7.0	W	W	—	96.1
October 1999 .....	57.0	59.2	W	W	—	1,036.6	7.3	7.3	W	W	—	89.5
November 1998 .....	89.9	102.2	W	W	—	991.2	10.3	11.0	W	W	—	111.9
<b>Montana</b>												
November 1999 .....	W	11.4	—	1,103.2	—	1,103.2	W	W	—	53.0	—	53.0
October 1999 .....	W	14.1	—	1,156.1	—	1,156.1	W	W	—	W	—	W
November 1998 .....	W	12.3	W	W	—	956.6	W	W	—	50.4	—	50.4
<b>Utah</b>												
November 1999 .....	300.3	319.5	437.6	1,130.3	—	1,567.9	129.1	130.9	64.9	201.9	—	266.9
October 1999 .....	314.8	334.1	W	W	—	1,526.7	133.2	134.8	W	W	—	252.8
November 1998 .....	336.1	409.4	423.0	1,005.0	—	1,427.9	161.7	171.5	73.8	205.0	—	278.8
<b>Wyoming</b>												
November 1999 .....	W	37.4	W	W	—	527.1	W	W	—	3.9	—	3.9
October 1999 .....	W	41.0	W	W	—	534.2	W	W	—	W	—	W
November 1998 .....	W	34.1	W	W	—	454.4	W	W	W	W	—	13.0
<b>PAD District V</b>												
November 1999 .....	9,135.5	9,355.4	W	11,318.7	W	35,712.3	1,946.3	1,965.7	W	1,109.5	W	4,853.9
October 1999 .....	9,646.4	9,821.2	20,420.1	W	W	36,106.4	2,008.5	2,024.8	3,733.4	W	W	4,774.7
November 1998 .....	9,426.0	9,621.6	17,871.9	W	W	33,342.4	2,245.9	2,267.3	4,229.2	W	W	5,556.9
<b>Alaska</b>												
November 1999 .....	NA	NA	W	NA	W	366.0	W	W	7.6	W	—	W
October 1999 .....	129.9	133.8	76.7	W	W	397.0	W	W	W	W	—	9.5
November 1998 .....	228.1	230.6	W	W	—	324.6	20.3	20.3	W	W	—	9.6
<b>Arizona</b>												
November 1999 .....	2,008.8	2,020.9	NA	981.9	143.1	2,398.2	351.3	351.3	154.2	81.0	—	235.2
October 1999 .....	2,106.6	2,113.3	W	923.1	W	2,352.4	359.4	359.4	W	W	—	231.9
November 1998 .....	1,989.2	2,002.5	1,085.5	W	W	2,388.8	353.2	353.2	161.7	79.1	—	240.8
<b>California</b>												
November 1999 .....	5,364.9	5,494.9	14,441.6	5,438.4	3,661.2	23,541.2	1,290.0	1,304.5	2,938.6	W	W	3,557.5
October 1999 .....	5,618.1	5,726.6	14,588.4	5,560.3	3,486.6	23,635.3	1,330.8	1,342.4	2,956.7	W	W	3,505.0
November 1998 .....	5,445.1	5,546.2	13,202.5	4,750.3	3,619.1	21,571.9	1,511.1	1,523.6	W	680.3	W	4,042.8
<b>Hawaii</b>												
November 1999 .....	NA	NA	228.7	W	W	298.8	16.8	21.6	W	W	—	W
October 1999 .....	NA	NA	228.9	W	W	291.8	16.7	21.4	W	W	—	80.2
November 1998 .....	135.5	205.2	310.4	65.2	—	375.6	22.8	31.6	83.9	4.4	—	88.3
<b>Nevada</b>												
November 1999 .....	134.3	138.9	696.7	W	W	1,342.7	W	W	127.9	67.0	—	194.9
October 1999 .....	157.5	161.3	W	599.5	W	1,397.7	W	W	W	W	—	159.4
November 1998 .....	140.6	143.4	721.1	587.2	149.6	1,458.0	35.9	35.9	164.3	48.2	—	212.5
<b>Oregon</b>												
November 1999 .....	417.2	419.2	W	1,607.8	W	2,665.2	W	W	82.0	100.6	—	182.6
October 1999 .....	454.2	455.6	W	1,739.2	W	2,756.4	62.1	62.1	W	W	—	178.4
November 1998 .....	426.0	429.1	745.9	W	W	2,670.2	67.4	67.4	W	W	—	326.4
<b>Washington</b>												
November 1999 .....	1,007.7	1,012.3	2,587.1	W	W	5,100.1	198.4	198.4	W	W	—	593.9
October 1999 .....	1,082.6	1,086.3	W	2,614.3	W	5,275.7	203.7	203.7	W	W	—	610.5
November 1998 .....	1,061.5	1,064.6	W	2,550.3	W	4,553.3	235.2	235.2	358.5	278.2	—	636.7

See footnotes at end of table.

**Table 43. Refiner Motor Gasoline Volumes by Grade, Sales Type, PAD District, and State**  
(Thousand Gallons per Day) — Continued

Geographic Area Month	Premium						All Grades					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total
<b>Idaho</b>												
November 1999 .....	3.8	4.2	W	W	—	143.4	69.5	72.8	W	W	—	1,308.9
October 1999 .....	3.7	4.1	W	W	—	135.4	68.0	70.6	W	W	—	1,261.5
November 1998 .....	8.2	8.6	15.1	150.6	—	165.7	108.4	121.8	162.8	1,106.1	—	1,268.8
<b>Montana</b>												
November 1999 .....	W	W	—	226.1	—	226.1	W	15.0	—	1,382.4	—	1,382.4
October 1999 .....	W	W	—	W	—	W	W	18.0	—	1,411.2	—	1,411.2
November 1998 .....	W	W	W	W	—	235.8	W	16.5	W	W	—	1,242.8
<b>Utah</b>												
November 1999 .....	65.3	73.3	76.9	338.9	—	415.9	494.8	523.7	579.5	1,671.2	—	2,250.6
October 1999 .....	66.6	74.2	94.0	277.8	—	371.8	514.6	543.1	561.1	1,590.2	—	2,151.3
November 1998 .....	94.6	121.3	98.2	294.9	—	393.1	592.4	702.3	594.9	1,504.9	—	2,099.8
<b>Wyoming</b>												
November 1999 .....	W	W	—	112.8	—	112.8	W	48.7	W	W	—	643.8
October 1999 .....	W	W	W	W	—	W	W	52.8	NA	632.9	—	646.9
November 1998 .....	W	W	W	W	—	101.0	W	47.7	W	W	—	568.4
<b>PAD District V</b>												
November 1999 .....	1,580.8	1,603.3	5,443.1	1,847.0	604.8	7,894.9	12,662.7	12,924.4	W	14,275.2	W	48,461.1
October 1999 .....	1,641.6	1,662.9	W	1,789.9	W	7,609.8	13,296.6	13,509.0	W	14,604.7	W	48,490.9
November 1998 .....	1,900.9	1,928.5	W	2,033.2	W	8,501.9	13,572.9	13,817.4	W	14,226.1	W	47,401.2
<b>Alaska</b>												
November 1999 .....	W	W	13.4	W	—	W	NA	NA	W	NA	W	421.9
October 1999 .....	W	W	14.2	34.2	—	48.5	154.1	158.3	W	345.8	W	455.0
November 1998 .....	33.9	34.1	W	W	—	52.0	282.3	285.0	W	W	—	386.2
<b>Arizona</b>												
November 1999 .....	328.1	328.7	271.0	172.5	NA	444.2	2,688.3	2,701.0	NA	1,235.4	143.8	3,077.6
October 1999 .....	347.8	348.1	273.3	W	W	444.4	2,813.8	2,820.8	1,742.3	W	W	3,028.7
November 1998 .....	388.9	389.7	279.8	W	W	463.9	2,731.4	2,745.4	1,527.0	1,353.3	213.2	3,093.5
<b>California</b>												
November 1999 .....	983.6	991.1	4,081.3	W	W	5,491.3	7,638.5	7,790.5	21,461.6	6,940.4	4,188.0	32,590.0
October 1999 .....	1,006.6	1,012.9	4,010.0	W	W	5,326.9	7,955.5	8,081.9	21,555.1	6,938.1	3,974.0	32,467.2
November 1998 .....	1,145.7	1,153.9	W	948.4	W	6,068.4	8,101.9	8,223.8	20,909.7	6,379.1	4,394.3	31,683.1
<b>Hawaii</b>												
November 1999 .....	NA	NA	W	14.4	W	W	NA	NA	427.5	W	W	528.4
October 1999 .....	NA	NA	W	14.7	W	141.2	NA	NA	424.8	W	W	513.3
November 1998 .....	58.2	76.3	150.6	22.3	—	172.9	216.5	313.1	544.9	92.0	—	636.9
<b>Nevada</b>												
November 1999 .....	W	W	129.8	W	W	272.2	181.5	186.4	954.4	W	W	1,809.8
October 1999 .....	W	W	137.7	W	W	256.2	210.8	214.9	996.7	W	W	1,813.3
November 1998 .....	30.5	30.5	215.4	120.2	22.0	357.5	207.1	209.9	1,100.8	755.6	171.6	2,028.0
<b>Oregon</b>												
November 1999 .....	W	W	W	202.3	W	522.3	524.1	526.4	W	1,910.7	W	3,370.1
October 1999 .....	52.9	53.2	247.9	W	W	465.0	569.2	570.9	W	2,043.9	W	3,399.7
November 1998 .....	61.4	61.6	W	299.0	W	539.6	554.8	558.1	1,077.0	W	W	3,536.2
<b>Washington</b>												
November 1999 .....	139.5	139.5	W	395.3	W	969.3	1,345.6	1,350.2	3,448.1	W	W	6,663.3
October 1999 .....	147.5	147.5	W	424.8	W	927.6	1,433.7	1,437.5	3,362.2	W	W	6,813.7
November 1998 .....	182.4	182.4	W	425.5	W	847.5	1,479.0	1,482.2	2,511.2	3,254.0	272.2	6,037.4

Dash (—) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

<sup>a</sup> Includes sales through retail outlets as well as all direct sales to end users that were not made through company-operated retail outlets, e.g., sales to agricultural customers, commercial sales, and industrial sales.

Source: Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."

Notes: Motor gasoline averages and totals prior to October 1993 include leaded gasoline.

Notes: Values shown for the current month are preliminary. Values shown for previous months are revised. Data are final upon publication in the *Petroleum Marketing Annual*.

**Table 44. Refiner Motor Gasoline Volumes by Formulation, Sales Type, PAD District, and State**  
(Thousand Gallons per Day)

Geographic Area Month	Conventional						Oxygenated					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total
<b>United States</b>												
November 1999 .....	32,975.6	34,230.3	18,084.8	152,209.0	29,206.8	199,500.5	3,409.4	3,422.9	5,519.4	7,187.8	—	12,707.2
October 1999 .....	34,426.2	35,684.7	19,528.4	152,400.7	27,806.5	199,735.5	2,405.1	2,416.0	4,735.6	5,356.6	—	10,092.2
November 1998 .....	37,052.3	38,512.4	20,352.1	143,788.5	25,764.3	189,904.9	3,474.2	3,501.5	4,456.9	7,396.7	—	11,853.6
<b>PAD District I</b>												
November 1999 .....	12,283.5	12,809.0	8,093.6	47,713.0	5,881.8	61,688.4	—	—	—	—	—	—
October 1999 .....	12,342.9	12,872.4	8,238.3	46,741.0	5,712.7	60,692.1	—	—	—	—	—	—
November 1998 .....	11,921.0	12,429.9	8,467.6	45,025.4	4,224.8	57,717.9	—	—	—	—	—	—
<b>Subdistrict IA</b>												
November 1999 .....	—	—	W	1,433.5	W	1,599.6	—	—	—	—	—	—
October 1999 .....	—	W	W	1,419.9	W	1,612.6	—	—	—	—	—	—
November 1998 .....	—	—	W	791.1	W	884.4	—	—	—	—	—	—
<b>Connecticut</b>												
November 1999 .....	—	—	—	—	—	—	—	—	—	—	—	—
October 1999 .....	—	—	—	—	—	—	—	—	—	—	—	—
November 1998 .....	—	—	—	—	—	—	—	—	—	—	—	—
<b>Maine</b>												
November 1999 .....	—	—	W	1,124.2	W	1,222.8	—	—	—	—	—	—
October 1999 .....	—	—	W	1,108.1	W	1,232.6	—	—	—	—	—	—
November 1998 .....	—	—	—	568.5	—	568.5	—	—	—	—	—	—
<b>Massachusetts</b>												
November 1999 .....	—	—	—	—	—	—	—	—	—	—	—	—
October 1999 .....	—	—	—	—	—	—	—	—	—	—	—	—
November 1998 .....	—	—	—	—	W	W	—	—	—	—	—	—
<b>New Hampshire</b>												
November 1999 .....	—	—	W	W	—	79.7	—	—	—	—	—	—
October 1999 .....	—	—	W	W	—	77.7	—	—	—	—	—	—
November 1998 .....	—	—	W	W	—	W	—	—	—	—	—	—
<b>Rhode Island</b>												
November 1999 .....	—	—	—	—	—	—	—	—	—	—	—	—
October 1999 .....	—	—	—	—	—	—	—	—	—	—	—	—
November 1998 .....	—	—	—	—	—	—	—	—	—	—	—	—
<b>Vermont</b>												
November 1999 .....	—	—	W	W	—	NA	—	—	—	—	—	—
October 1999 .....	—	W	W	W	—	NA	—	—	—	—	—	—
November 1998 .....	—	—	W	W	—	216.2	—	—	—	—	—	—
<b>Subdistrict IB</b>												
November 1999 .....	3,042.7	3,079.5	W	9,696.8	W	17,467.7	—	—	—	—	—	—
October 1999 .....	3,030.3	W	W	9,290.8	W	16,930.8	—	—	—	—	—	—
November 1998 .....	2,729.1	2,774.7	W	9,418.6	W	15,321.3	—	—	—	—	—	—
<b>Delaware</b>												
November 1999 .....	—	—	—	—	—	—	—	—	—	—	—	—
October 1999 .....	—	—	—	—	—	—	—	—	—	—	—	—
November 1998 .....	—	—	—	—	—	—	—	—	—	—	—	—
<b>District of Columbia</b>												
November 1999 .....	—	—	—	—	—	—	—	—	—	—	—	—
October 1999 .....	—	—	—	—	—	—	—	—	—	—	—	—
November 1998 .....	—	—	—	—	—	—	—	—	—	—	—	—
<b>Maryland</b>												
November 1999 .....	—	W	W	W	—	506.8	—	—	—	—	—	—
October 1999 .....	—	W	W	W	—	532.6	—	—	—	—	—	—
November 1998 .....	—	W	W	W	—	532.6	—	—	—	—	—	—
<b>New Jersey</b>												
November 1999 .....	—	—	—	—	2,869.7	2,869.7	—	—	—	—	—	—
October 1999 .....	—	—	—	—	2,562.3	2,562.3	—	—	—	—	—	—
November 1998 .....	—	—	—	—	1,652.5	1,652.5	—	—	—	—	—	—
<b>New York</b>												
November 1999 .....	1,339.7	W	NA	W	W	5,071.0	—	—	—	—	—	—
October 1999 .....	1,336.4	1,362.5	NA	W	W	5,078.5	—	—	—	—	—	—
November 1998 .....	1,303.7	W	W	3,490.7	W	4,973.3	—	—	—	—	—	—
<b>Pennsylvania</b>												
November 1999 .....	1,703.0	1,716.1	1,077.8	5,706.3	NA	9,020.2	—	—	—	—	—	—
October 1999 .....	1,693.9	1,707.8	1,105.6	W	W	8,757.3	—	—	—	—	—	—
November 1998 .....	1,425.4	1,444.7	W	W	1,431.0	8,162.9	—	—	—	—	—	—

See footnotes at end of table.



**Table 44. Refiner Motor Gasoline Volumes by Formulation, Sales Type, PAD District, and State**

(Thousand Gallons per Day) — Continued

Geographic Area Month	Reformulated						All Formulations					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total
<b>United States</b>												
November 1999 .....	20,624.2	21,060.9	47,996.4	36,189.7	13,122.8	97,308.9	57,009.2	58,714.1	71,600.6	195,586.4	42,329.6	309,516.6
October 1999 .....	21,939.1	22,332.4	48,615.4	36,419.6	13,363.0	98,398.0	58,770.4	60,433.1	72,879.4	194,176.9	41,169.5	308,225.7
November 1998 .....	21,499.5	21,832.9	46,774.4	31,896.1	9,727.1	88,397.6	62,026.0	63,846.8	71,583.4	183,081.4	35,491.4	290,156.2
<b>PAD District I</b>												
November 1999 .....	4,343.9	4,552.4	20,105.2	15,182.3	6,572.3	41,859.8	16,627.4	17,361.5	28,198.8	62,895.3	12,454.1	103,548.2
October 1999 .....	4,449.5	4,649.3	20,301.2	15,311.1	7,045.4	42,657.7	16,792.3	17,521.7	28,539.5	62,052.1	12,758.1	103,349.7
November 1998 .....	4,365.0	4,520.8	20,573.3	14,876.2	3,931.9	39,381.4	16,285.9	16,950.7	29,040.9	59,901.6	8,156.8	97,099.2
<b>Subdistrict IA</b>												
November 1999 .....	NA	NA	W	4,642.1	W	10,239.6	NA	NA	4,235.6	6,075.7	1,527.9	11,839.1
October 1999 .....	NA	W	W	4,550.0	W	10,979.8	NA	NA	4,280.7	5,969.9	2,341.8	12,592.5
November 1998 .....	748.0	755.4	W	4,838.6	W	10,046.5	748.0	755.4	W	5,629.6	W	10,930.8
<b>Connecticut</b>												
November 1999 .....	W	W	NA	1,717.4	386.7	3,336.6	W	W	NA	1,717.4	386.7	3,336.6
October 1999 .....	W	W	NA	1,684.8	832.2	3,752.0	W	W	NA	1,684.8	832.2	3,752.0
November 1998 .....	W	W	1,321.3	1,600.8	NA	2,935.8	W	W	1,321.3	1,600.8	NA	2,935.8
<b>Maine</b>												
November 1999 .....	—	—	—	—	—	—	—	—	W	1,124.2	W	1,222.8
October 1999 .....	—	—	—	—	—	—	—	—	W	1,108.1	W	1,232.6
November 1998 .....	—	—	W	W	—	582.6	—	—	W	W	—	1,151.1
<b>Massachusetts</b>												
November 1999 .....	511.6	515.1	2,221.7	W	W	5,260.6	511.6	515.1	2,221.7	W	W	5,260.6
October 1999 .....	512.2	NA	2,267.2	W	W	5,383.5	512.2	NA	2,267.2	W	W	5,383.5
November 1998 .....	426.7	429.4	2,290.0	W	W	W	426.7	429.4	2,290.0	W	W	5,068.6
<b>New Hampshire</b>												
November 1999 .....	NA	NA	W	W	W	517.6	NA	NA	253.5	W	W	597.2
October 1999 .....	NA	NA	W	W	W	520.7	NA	NA	245.8	W	W	598.5
November 1998 .....	100.6	100.7	W	W	—	W	100.6	100.7	253.5	130.6	—	384.1
<b>Rhode Island</b>												
November 1999 .....	W	W	411.8	713.0	—	1,124.8	W	W	411.8	713.0	—	1,124.8
October 1999 .....	W	78.4	414.6	W	W	1,323.5	W	78.4	414.6	W	W	1,323.5
November 1998 .....	W	W	W	659.3	W	1,175.1	W	W	W	659.3	W	1,175.1
<b>Vermont</b>												
November 1999 .....	—	—	—	—	—	—	—	—	W	W	—	NA
October 1999 .....	—	—	—	—	—	—	—	—	W	W	—	NA
November 1998 .....	—	—	—	—	—	—	—	—	W	W	—	216.2
<b>Subdistrict IB</b>												
November 1999 .....	2,629.9	2,762.4	W	7,879.7	W	26,892.2	5,672.7	5,841.9	16,359.7	17,576.5	10,423.7	44,359.9
October 1999 .....	2,707.5	W	W	8,058.2	W	26,925.5	5,737.8	5,912.3	16,589.9	17,349.0	9,917.4	43,856.3
November 1998 .....	2,731.3	2,831.7	W	7,688.6	W	24,934.0	5,460.5	5,606.4	W	17,107.2	W	40,255.2
<b>Delaware</b>												
November 1999 .....	32.7	47.6	298.3	506.6	—	804.9	32.7	47.6	298.3	506.6	—	804.9
October 1999 .....	33.5	49.2	315.5	457.4	—	772.9	33.5	49.2	315.5	457.4	—	772.9
November 1998 .....	37.0	49.0	W	W	—	731.0	37.0	49.0	W	W	—	731.0
<b>District of Columbia</b>												
November 1999 .....	—	8.3	300.7	—	—	300.7	—	8.3	300.7	—	—	300.7
October 1999 .....	—	9.5	317.1	—	—	317.1	—	9.5	317.1	—	—	317.1
November 1998 .....	—	7.6	NA	—	—	NA	—	7.6	NA	—	—	NA
<b>Maryland</b>												
November 1999 .....	—	W	W	W	—	4,569.3	—	54.0	2,901.3	2,174.8	—	5,076.1
October 1999 .....	—	W	W	1,758.0	W	4,666.4	—	53.4	2,916.3	W	W	5,199.1
November 1998 .....	—	W	W	W	W	4,644.8	—	38.8	3,014.3	W	W	5,177.4
<b>New Jersey</b>												
November 1999 .....	1,258.7	1,290.1	4,556.8	3,355.4	4,352.0	12,264.1	1,258.7	1,290.1	4,556.8	3,355.4	7,221.7	15,133.8
October 1999 .....	1,312.5	1,345.8	4,614.9	3,378.0	3,647.6	11,640.5	1,312.5	1,345.8	4,614.9	3,378.0	6,209.9	14,202.8
November 1998 .....	1,342.3	1,368.4	4,695.5	3,298.7	2,777.7	10,771.9	1,342.3	1,368.4	4,695.5	3,298.7	4,430.2	12,424.3
<b>New York</b>												
November 1999 .....	640.4	W	4,288.7	W	W	6,474.4	1,980.1	2,027.3	5,520.6	5,059.0	965.9	11,545.4
October 1999 .....	653.8	676.1	4,298.4	W	W	6,942.2	1,990.1	2,038.5	5,599.2	5,194.0	1,227.6	12,020.8
November 1998 .....	689.4	W	W	1,531.1	W	5,923.5	1,993.2	2,033.1	5,392.4	5,021.8	482.6	10,896.8
<b>Pennsylvania</b>												
November 1999 .....	698.1	698.4	1,704.3	774.4	—	2,478.7	2,401.1	2,414.6	2,782.1	6,480.7	NA	11,498.9
October 1999 .....	707.8	708.1	1,721.3	W	W	2,586.4	2,401.7	2,415.8	2,826.9	W	W	11,343.7
November 1998 .....	662.6	664.9	W	W	—	2,532.1	2,088.0	2,109.6	3,020.3	6,243.8	1,431.0	10,695.1

See footnotes at end of table.

**Table 44. Refiner Motor Gasoline Volumes by Formulation, Sales Type, PAD District, and State**

(Thousand Gallons per Day) — Continued

Geographic Area Month	Conventional						Oxygenated					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total
<b>Subdistrict IC</b>												
November 1999 .....	9,240.8	9,729.5	W	36,582.7	W	42,621.1	—	—	—	—	—	—
October 1999 .....	9,312.6	W	W	36,030.3	W	42,148.6	—	—	—	—	—	—
November 1998 .....	9,191.8	9,655.2	5,829.7	34,815.7	866.8	41,512.2	—	—	—	—	—	—
<b>Florida</b>												
November 1999 .....	4,928.4	5,130.5	W	9,787.9	W	14,180.5	—	—	—	—	—	—
October 1999 .....	4,784.3	4,990.2	W	9,432.2	W	13,811.9	—	—	—	—	—	—
November 1998 .....	4,783.7	4,952.0	4,553.2	9,294.6	384.2	14,232.0	—	—	—	—	—	—
<b>Georgia</b>												
November 1999 .....	1,936.5	2,043.5	999.6	W	W	W	—	—	—	—	—	—
October 1999 .....	2,035.7	2,143.8	1,026.1	W	W	W	—	—	—	—	—	—
November 1998 .....	2,002.5	2,109.6	969.2	W	W	8,705.5	—	—	—	—	—	—
<b>North Carolina</b>												
November 1999 .....	799.4	899.8	W	9,965.7	W	10,055.2	—	—	—	—	—	—
October 1999 .....	827.9	924.2	W	9,774.7	W	9,840.6	—	—	—	—	—	—
November 1998 .....	805.3	914.7	W	9,458.8	W	9,584.6	—	—	—	—	—	—
<b>South Carolina</b>												
November 1999 .....	819.1	877.5	173.6	4,477.8	—	4,651.4	—	—	—	—	—	—
October 1999 .....	869.7	929.8	172.4	4,482.9	—	4,655.3	—	—	—	—	—	—
November 1998 .....	838.4	895.6	W	4,290.5	W	4,453.5	—	—	—	—	—	—
<b>Virginia</b>												
November 1999 .....	182.5	191.2	W	W	189.2	W	—	—	—	—	—	—
October 1999 .....	181.7	W	W	W	NA	W	—	—	—	—	—	—
November 1998 .....	185.5	194.0	W	W	NA	4,082.1	—	—	—	—	—	—
<b>West Virginia</b>												
November 1999 .....	574.9	587.0	W	W	—	418.0	—	—	—	—	—	—
October 1999 .....	613.2	623.3	W	W	—	527.9	—	—	—	—	—	—
November 1998 .....	576.5	589.3	W	W	—	454.6	—	—	—	—	—	—
<b>PAD District II</b>												
November 1999 .....	11,887.6	12,348.0	5,973.3	W	W	74,075.0	1,171.7	1,176.8	W	W	—	3,462.9
October 1999 .....	12,502.0	12,984.7	6,718.2	W	W	73,544.8	1,215.6	1,223.7	W	W	—	3,564.8
November 1998 .....	14,898.8	15,404.2	7,149.2	57,023.6	5,800.9	69,973.7	1,107.9	1,121.9	W	W	—	3,434.5
<b>Illinois</b>												
November 1999 .....	216.3	227.1	W	W	1,225.4	5,742.5	—	—	—	—	—	—
October 1999 .....	209.0	222.6	W	4,494.1	W	5,500.1	—	—	—	—	—	—
November 1998 .....	544.0	551.0	W	W	1,511.3	6,074.4	—	—	—	—	—	—
<b>Indiana</b>												
November 1999 .....	1,119.5	1,132.3	W	W	466.8	5,847.0	—	—	—	—	—	—
October 1999 .....	1,163.0	1,177.5	W	W	303.4	5,684.3	—	—	—	—	—	—
November 1998 .....	1,382.4	1,419.2	W	W	NA	5,261.4	—	—	—	—	—	—
<b>Iowa</b>												
November 1999 .....	128.0	128.8	W	W	—	3,773.5	—	—	—	—	—	—
October 1999 .....	122.9	125.0	W	W	—	3,759.5	—	—	—	—	—	—
November 1998 .....	141.3	144.5	W	W	—	3,570.6	—	—	—	—	—	—
<b>Kansas</b>												
November 1999 .....	492.1	497.8	W	3,028.9	W	3,857.2	—	—	—	—	—	—
October 1999 .....	496.1	508.4	W	2,904.0	W	3,747.0	—	—	—	—	—	—
November 1998 .....	583.8	600.5	NA	W	W	3,741.0	—	—	—	—	—	—
<b>Kentucky</b>												
November 1999 .....	W	W	W	W	W	3,681.2	—	—	—	—	—	—
October 1999 .....	W	W	W	W	W	3,500.3	—	—	—	—	—	—
November 1998 .....	433.8	463.7	W	W	—	3,264.0	—	—	—	—	—	—
<b>Michigan</b>												
November 1999 .....	2,026.6	2,129.7	2,552.0	8,591.8	—	11,143.8	—	—	—	—	—	—
October 1999 .....	2,214.7	2,334.7	W	8,679.1	W	11,416.8	—	—	—	—	—	—
November 1998 .....	3,062.8	3,195.3	2,578.7	7,268.2	—	9,846.9	—	—	—	—	—	—
<b>Minnesota</b>												
November 1999 .....	W	W	W	W	W	1,700.9	W	W	W	W	—	3,417.0
October 1999 .....	W	W	W	1,294.4	W	W	W	W	W	3,045.2	—	W
November 1998 .....	W	W	NA	W	W	W	W	W	W	W	—	W
<b>Missouri</b>												
November 1999 .....	453.4	455.9	W	W	—	4,342.9	—	—	—	W	—	W
October 1999 .....	422.2	425.7	W	W	—	4,353.4	—	—	—	—	—	—
November 1998 .....	878.3	896.7	NA	4,682.3	—	5,235.4	—	—	—	—	—	—

See footnotes at end of table.

**Table 44. Refiner Motor Gasoline Volumes by Formulation, Sales Type, PAD District, and State**

(Thousand Gallons per Day) — Continued

Geographic Area Month	Reformulated						All Formulations					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total
<b>Subdistrict IC</b>												
November 1999 .....	868.8	935.0	W	2,660.4	W	4,728.0	10,109.6	10,664.6	7,603.5	39,243.2	502.5	47,349.1
October 1999 .....	894.2	W	W	2,702.9	W	4,752.3	10,206.7	10,751.3	7,668.9	38,733.2	498.8	46,901.0
November 1998 .....	885.6	933.6	2,051.9	2,349.0	—	4,400.9	10,077.4	10,588.8	7,881.6	37,164.8	866.8	45,913.2
<b>Florida</b>												
November 1999 .....	—	—	—	—	—	—	4,928.4	5,130.5	W	9,787.9	W	14,180.5
October 1999 .....	—	—	—	—	—	—	4,784.3	4,990.2	W	9,432.2	W	13,811.9
November 1998 .....	—	—	—	—	—	—	4,783.7	4,952.0	4,553.2	9,294.6	384.2	14,232.0
<b>Georgia</b>												
November 1999 .....	—	—	—	—	W	W	1,936.5	2,043.5	999.6	W	W	9,287.8
October 1999 .....	—	—	—	—	W	W	2,035.7	2,143.8	1,026.1	W	W	9,335.5
November 1998 .....	—	—	—	—	—	—	2,002.5	2,109.6	969.2	W	W	8,705.5
<b>North Carolina</b>												
November 1999 .....	—	—	—	—	—	—	799.4	899.8	W	9,965.7	W	10,055.2
October 1999 .....	—	—	—	—	—	—	827.9	924.2	W	9,774.7	W	9,840.6
November 1998 .....	—	—	—	—	—	—	805.3	914.7	W	9,458.8	W	9,584.6
<b>South Carolina</b>												
November 1999 .....	—	—	—	—	—	—	819.1	877.5	173.6	4,477.8	—	4,651.4
October 1999 .....	—	—	—	—	—	—	869.7	929.8	172.4	4,482.9	—	4,655.3
November 1998 .....	—	—	—	—	—	—	838.4	895.6	W	4,290.5	W	4,453.5
<b>Virginia</b>												
November 1999 .....	868.8	935.0	W	W	—	W	1,051.3	1,126.2	2,016.4	6,550.7	189.2	8,756.3
October 1999 .....	894.2	W	W	W	—	W	1,075.8	1,140.1	2,037.0	6,586.9	NA	8,729.6
November 1998 .....	885.6	933.6	W	W	—	4,400.9	1,071.1	1,127.6	2,108.9	6,059.4	NA	8,483.0
<b>West Virginia</b>												
November 1999 .....	—	—	—	—	—	—	574.9	587.0	W	W	—	418.0
October 1999 .....	—	—	—	—	—	—	613.2	623.3	W	W	—	527.9
November 1998 .....	—	—	—	—	—	—	576.5	589.3	W	W	—	454.6
<b>PAD District II</b>												
November 1999 .....	2,681.1	2,748.0	W	6,847.8	W	11,311.5	15,740.4	16,272.8	10,856.1	71,573.0	6,420.4	88,849.5
October 1999 .....	2,871.7	2,920.4	W	7,018.4	W	11,591.6	16,589.4	17,128.9	11,650.6	71,563.8	5,486.8	88,701.2
November 1998 .....	3,816.9	3,857.2	W	W	—	8,303.6	19,823.7	20,383.4	11,271.2	64,639.7	5,800.9	81,711.8
<b>Illinois</b>												
November 1999 .....	1,638.2	1,645.1	W	W	—	5,810.5	1,854.5	1,872.2	2,948.8	7,378.9	1,225.4	11,553.0
October 1999 .....	1,747.0	1,756.6	W	3,105.6	W	6,103.1	1,956.0	1,979.2	2,959.6	7,599.7	1,043.8	11,603.1
November 1998 .....	2,710.0	2,716.6	W	W	—	4,689.8	3,254.0	3,267.6	2,814.7	6,438.2	1,511.3	10,764.2
<b>Indiana</b>												
November 1999 .....	229.7	230.8	W	W	—	1,249.2	1,349.2	1,363.1	904.4	5,725.1	466.8	7,096.2
October 1999 .....	248.3	249.7	W	W	—	1,271.2	1,411.4	1,427.2	914.7	5,737.4	303.4	6,955.5
November 1998 .....	293.2	299.3	W	W	—	1,162.8	1,675.6	1,718.4	994.4	5,128.3	NA	6,424.2
<b>Iowa</b>												
November 1999 .....	—	—	—	—	—	—	128.0	128.8	W	W	—	3,773.5
October 1999 .....	—	—	—	—	—	—	122.9	125.0	W	W	—	3,759.5
November 1998 .....	—	—	—	—	—	—	141.3	144.5	W	W	—	3,570.6
<b>Kansas</b>												
November 1999 .....	—	—	—	—	—	—	492.1	497.8	W	3,028.9	W	3,857.2
October 1999 .....	—	—	—	—	—	—	496.1	508.4	W	2,904.0	W	3,747.0
November 1998 .....	—	—	—	—	—	—	583.8	600.5	NA	W	W	3,741.0
<b>Kentucky</b>												
November 1999 .....	W	W	W	W	—	1,110.5	727.0	808.9	W	4,405.5	W	4,791.8
October 1999 .....	W	W	W	W	—	1,147.4	789.1	840.0	W	4,419.5	W	4,647.6
November 1998 .....	309.4	334.9	W	W	—	920.5	743.2	798.6	194.4	3,990.1	—	4,184.5
<b>Michigan</b>												
November 1999 .....	—	—	—	—	—	—	2,026.6	2,129.7	2,552.0	8,591.8	—	11,143.8
October 1999 .....	—	—	—	—	—	—	2,214.7	2,334.7	W	8,679.1	W	11,416.8
November 1998 .....	—	—	—	—	—	—	3,062.8	3,195.3	2,578.7	7,268.2	—	9,846.9
<b>Minnesota</b>												
November 1999 .....	—	—	—	—	—	—	1,172.6	1,177.7	W	4,411.1	W	5,117.8
October 1999 .....	—	—	—	—	—	—	1,216.5	1,224.6	W	4,339.5	W	5,127.5
November 1998 .....	—	—	—	—	—	—	1,108.5	1,122.5	W	4,286.1	W	5,045.7
<b>Missouri</b>												
November 1999 .....	204.6	214.7	W	813.9	W	W	658.1	670.6	W	5,014.2	W	5,780.3
October 1999 .....	216.3	228.7	W	W	—	1,397.2	638.5	654.4	W	W	—	5,750.6
November 1998 .....	—	—	—	—	—	—	878.3	896.7	NA	4,682.3	—	5,235.4

See footnotes at end of table.

**Table 44. Refiner Motor Gasoline Volumes by Formulation, Sales Type, PAD District, and State**

(Thousand Gallons per Day) — Continued

Geographic Area Month	Conventional						Oxygenated					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total
<b>Nebraska</b>												
November 1999 .....	54.6	56.4	W	W	—	2,018.3	—	—	—	—	—	—
October 1999 .....	53.8	56.1	W	W	—	2,189.8	—	—	—	—	—	—
November 1998 .....	56.6	57.7	NA	1,751.6	—	1,892.7	—	—	—	—	—	—
<b>North Dakota</b>												
November 1999 .....	W	3.9	W	W	—	1,065.8	—	—	—	—	—	—
October 1999 .....	W	3.9	W	W	—	1,085.9	—	—	—	—	—	—
November 1998 .....	W	W	NA	875.5	—	961.0	—	—	—	—	—	—
<b>Ohio</b>												
November 1999 .....	4,475.5	4,674.4	1,835.8	7,371.0	281.9	9,488.7	—	—	—	—	—	—
October 1999 .....	4,781.4	4,983.4	2,305.0	7,126.5	50.2	9,481.7	—	—	—	—	—	—
November 1998 .....	5,026.0	5,212.6	W	6,218.7	W	8,798.4	—	—	—	—	—	—
<b>Oklahoma</b>												
November 1999 .....	733.7	764.2	W	3,850.7	W	7,204.5	—	—	—	—	—	—
October 1999 .....	743.3	772.1	W	3,908.6	W	7,013.2	—	—	—	—	—	—
November 1998 .....	930.8	962.2	W	3,402.2	W	6,024.3	—	—	—	—	—	—
<b>South Dakota</b>												
November 1999 .....	W	9.3	16.7	1,019.2	—	1,035.9	—	—	—	—	—	—
October 1999 .....	W	10.3	17.7	1,075.8	—	1,093.5	—	—	—	—	—	—
November 1998 .....	W	W	NA	939.3	—	976.1	—	—	—	—	—	—
<b>Tennessee</b>												
November 1999 .....	1,536.2	1,585.1	257.6	8,386.0	—	8,643.7	—	—	—	—	—	—
October 1999 .....	1,605.8	1,652.4	283.5	8,299.1	—	8,582.7	—	—	—	—	—	—
November 1998 .....	1,585.5	1,619.2	255.9	8,199.2	—	8,455.1	—	—	—	—	—	—
<b>Wisconsin</b>												
November 1999 .....	W	W	W	W	—	4,529.2	—	—	—	W	—	W
October 1999 .....	W	W	W	4,450.2	—	W	—	—	—	W	—	W
November 1998 .....	254.5	261.0	W	4,141.4	—	W	—	—	—	W	—	W
<b>PAD District III</b>												
November 1999 .....	5,059.4	5,192.1	W	W	15,935.0	48,079.4	191.2	191.7	W	W	—	916.1
October 1999 .....	W	W	W	W	15,843.4	47,344.8	W	W	W	W	—	678.7
November 1998 .....	5,224.5	5,426.6	W	W	W	45,519.0	273.9	275.4	W	W	—	892.8
<b>Alabama</b>												
November 1999 .....	352.3	400.5	W	4,997.8	W	5,276.4	—	—	—	—	—	—
October 1999 .....	361.8	402.8	176.9	4,876.9	—	5,053.8	—	—	—	—	—	—
November 1998 .....	380.9	424.9	139.4	5,144.2	—	5,283.6	—	—	—	—	—	—
<b>Arkansas</b>												
November 1999 .....	193.1	197.2	—	W	W	3,733.4	—	—	—	—	—	—
October 1999 .....	172.9	176.6	—	W	W	3,680.1	—	—	—	—	—	—
November 1998 .....	240.2	240.8	W	3,424.8	W	3,757.6	—	—	—	—	—	—
<b>Louisiana</b>												
November 1999 .....	1,111.1	1,128.3	397.6	4,329.6	2,043.4	6,770.6	—	—	—	—	—	—
October 1999 .....	1,140.3	1,157.2	388.3	W	W	6,810.5	—	—	—	—	—	—
November 1998 .....	1,130.7	W	451.1	4,104.3	W	W	—	—	—	—	—	—
<b>Mississippi</b>												
November 1999 .....	168.3	210.9	W	3,448.7	W	4,294.6	—	—	—	—	—	—
October 1999 .....	162.0	210.6	W	3,204.9	W	4,211.4	—	—	—	—	—	—
November 1998 .....	155.1	172.5	7.5	W	W	3,311.6	—	—	—	—	—	—
<b>New Mexico</b>												
November 1999 .....	W	W	W	W	—	1,345.8	W	W	W	W	—	402.5
October 1999 .....	W	W	W	W	—	1,619.1	W	W	W	W	—	188.5
November 1998 .....	W	W	W	W	—	W	W	W	W	W	—	W
<b>Texas</b>												
November 1999 .....	W	W	104.3	13,984.0	12,570.4	26,658.6	W	W	—	513.6	—	513.6
October 1999 .....	W	W	W	W	W	25,969.9	W	W	—	490.3	—	490.3
November 1998 .....	W	2,988.0	W	13,452.2	W	25,110.6	W	W	W	482.2	—	W
<b>PAD District IV</b>												
November 1999 .....	2,071.3	2,108.5	W	W	W	6,686.0	490.1	492.5	W	W	—	2,109.6
October 1999 .....	W	W	952.2	W	W	7,947.8	W	W	W	W	—	801.8
November 1998 .....	2,243.2	2,373.4	W	W	W	6,333.9	540.8	543.4	W	W	—	1,734.8
<b>Colorado</b>												
November 1999 .....	W	1,469.9	W	W	W	1,461.7	W	470.9	W	W	—	1,748.2
October 1999 .....	1,978.5	W	W	W	W	2,516.2	—	W	W	W	—	762.5
November 1998 .....	W	1,489.6	W	W	W	1,468.7	W	539.0	W	W	—	1,420.2

See footnotes at end of table.

**Table 44. Refiner Motor Gasoline Volumes by Formulation, Sales Type, PAD District, and State**

(Thousand Gallons per Day) — Continued

Geographic Area Month	Reformulated						All Formulations					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total
<b>Nebraska</b>												
November 1999 .....	—	—	—	—	—	—	54.6	56.4	W	W	—	2,018.3
October 1999 .....	—	—	—	—	—	—	53.8	56.1	W	W	—	2,189.8
November 1998 .....	—	—	—	—	—	—	56.6	57.7	NA	1,751.6	—	1,892.7
<b>North Dakota</b>												
November 1999 .....	—	—	—	—	—	—	W	3.9	W	W	—	1,065.8
October 1999 .....	—	—	—	—	—	—	W	3.9	W	W	—	1,085.9
November 1998 .....	—	—	—	—	—	—	W	W	NA	875.5	—	961.0
<b>Ohio</b>												
November 1999 .....	—	—	—	—	—	—	4,475.5	4,674.4	1,835.8	7,371.0	281.9	9,488.7
October 1999 .....	—	—	—	—	—	—	4,781.4	4,983.4	2,305.0	7,126.5	50.2	9,481.7
November 1998 .....	—	—	—	—	—	—	5,026.0	5,212.6	W	6,218.7	W	8,798.4
<b>Oklahoma</b>												
November 1999 .....	—	—	—	—	—	—	733.7	764.2	W	3,850.7	W	7,204.5
October 1999 .....	—	—	—	—	—	—	743.3	772.1	W	3,908.6	W	7,013.2
November 1998 .....	—	—	—	—	—	—	930.8	962.2	W	3,402.2	W	6,024.3
<b>South Dakota</b>												
November 1999 .....	—	—	—	—	—	—	W	9.3	16.7	1,019.2	—	1,035.9
October 1999 .....	—	—	—	—	—	—	W	10.3	17.7	1,075.8	—	1,093.5
November 1998 .....	—	—	—	—	—	—	W	W	NA	939.3	—	976.1
<b>Tennessee</b>												
November 1999 .....	—	—	—	—	—	—	1,536.2	1,585.1	257.6	8,386.0	—	8,643.7
October 1999 .....	—	—	—	—	—	—	1,605.8	1,652.4	283.5	8,299.1	—	8,582.7
November 1998 .....	—	—	—	—	—	—	1,585.5	1,619.2	255.9	8,199.2	—	8,455.1
<b>Wisconsin</b>												
November 1999 .....	W	W	W	1,328.8	—	W	520.3	530.8	W	W	—	6,279.0
October 1999 .....	W	W	W	W	—	1,672.8	547.9	557.3	W	W	—	6,246.9
November 1998 .....	504.3	506.4	W	W	—	1,530.5	758.8	767.4	W	W	—	5,791.6
<b>PAD District III</b>												
November 1999 .....	4,166.8	4,170.6	1,373.9	6,875.6	2,617.2	10,866.8	9,417.4	9,554.4	2,155.1	39,155.0	18,552.2	59,862.3
October 1999 .....	4,264.5	4,279.3	1,462.6	6,916.5	2,531.6	10,910.7	9,466.6	9,603.9	2,261.2	38,298.2	18,374.9	58,934.3
November 1998 .....	4,061.1	4,076.5	W	6,084.5	W	9,463.5	9,559.5	9,778.5	2,552.7	37,340.3	15,982.3	55,875.3
<b>Alabama</b>												
November 1999 .....	—	—	—	—	—	—	352.3	400.5	W	4,997.8	W	5,276.4
October 1999 .....	—	—	—	—	—	—	361.8	402.8	176.9	4,876.9	—	5,053.8
November 1998 .....	—	—	—	—	—	—	380.9	424.9	139.4	5,144.2	—	5,283.6
<b>Arkansas</b>												
November 1999 .....	—	—	—	—	—	—	193.1	197.2	—	W	W	3,733.4
October 1999 .....	—	—	—	—	—	—	172.9	176.6	—	W	W	3,680.1
November 1998 .....	—	—	—	—	—	—	240.2	240.8	W	3,424.8	W	3,757.6
<b>Louisiana</b>												
November 1999 .....	—	—	—	—	573.6	573.6	1,111.1	1,128.3	397.6	4,329.6	2,617.0	7,344.2
October 1999 .....	—	—	—	—	W	540.7	1,140.3	1,157.2	388.3	4,421.2	2,541.7	7,351.3
November 1998 .....	—	W	—	—	W	W	1,130.7	1,149.4	451.1	4,104.3	2,537.8	7,093.2
<b>Mississippi</b>												
November 1999 .....	—	—	—	—	—	—	168.3	210.9	W	3,448.7	W	4,294.6
October 1999 .....	—	—	—	—	—	—	162.0	210.6	W	3,204.9	W	4,211.4
November 1998 .....	—	—	—	—	—	—	155.1	172.5	7.5	W	W	3,311.6
<b>New Mexico</b>												
November 1999 .....	—	—	—	—	—	—	552.7	561.9	W	W	—	1,748.3
October 1999 .....	—	—	—	—	—	—	566.4	568.0	W	W	—	1,807.5
November 1998 .....	—	—	—	—	—	—	627.3	629.2	W	W	—	1,649.4
<b>Texas</b>												
November 1999 .....	4,166.8	4,170.6	1,373.9	6,875.6	2,043.7	10,293.2	7,039.7	7,055.6	1,478.2	21,373.2	14,614.1	37,465.5
October 1999 .....	4,264.5	4,279.3	W	W	W	10,370.0	7,063.4	7,088.8	1,582.4	20,826.6	14,421.2	36,830.2
November 1998 .....	4,061.1	W	W	6,084.5	W	W	7,025.4	7,161.7	1,813.3	20,019.0	12,947.6	34,779.9
<b>PAD District IV</b>												
November 1999 .....	—	—	—	—	—	—	2,561.4	2,601.0	W	7,688.0	W	8,795.6
October 1999 .....	—	—	—	—	—	—	2,625.5	2,669.6	W	7,658.2	W	8,749.6
November 1998 .....	—	—	—	—	—	—	2,784.0	2,916.9	W	6,973.7	W	8,068.7
<b>Colorado</b>												
November 1999 .....	—	—	—	—	—	—	1,937.3	1,940.8	W	2,821.8	W	3,209.9
October 1999 .....	—	—	—	—	—	—	1,978.5	1,985.1	295.2	W	W	3,278.7
November 1998 .....	—	—	—	—	—	—	2,024.8	2,028.6	W	2,562.6	W	2,888.9

See footnotes at end of table.

**Table 44. Refiner Motor Gasoline Volumes by Formulation, Sales Type, PAD District, and State**

(Thousand Gallons per Day) — Continued

Geographic Area Month	Conventional						Oxygenated					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total
<b>Idaho</b>												
November 1999 .....	69.5	72.8	W	W	—	1,308.9	—	—	—	—	—	—
October 1999 .....	68.0	70.6	W	W	—	1,261.5	—	—	—	—	—	—
November 1998 .....	108.4	121.8	162.8	1,106.1	—	1,268.8	—	—	—	—	—	—
<b>Montana</b>												
November 1999 .....	W	W	—	W	—	W	—	W	—	W	—	W
October 1999 .....	W	18.0	—	W	—	W	—	—	—	W	—	W
November 1998 .....	W	W	W	W	—	1,170.2	—	W	—	72.6	—	72.6
<b>Utah</b>												
November 1999 .....	W	W	W	W	—	W	W	W	W	W	—	W
October 1999 .....	W	W	W	1,566.5	—	W	W	W	W	23.7	—	W
November 1998 .....	W	W	594.9	1,262.9	—	1,857.8	W	W	—	242.0	—	242.0
<b>Wyoming</b>												
November 1999 .....	W	48.7	W	W	—	643.8	—	—	—	—	—	—
October 1999 .....	W	52.8	NA	632.9	—	646.9	—	—	—	—	—	—
November 1998 .....	W	47.7	W	W	—	568.4	—	—	—	—	—	—
<b>PAD District V</b>												
November 1999 .....	1,673.8	1,772.6	W	5,508.0	W	8,971.7	1,556.3	1,561.9	4,735.4	1,483.2	—	6,218.6
October 1999 .....	1,869.5	1,949.4	W	6,526.5	W	10,206.1	1,073.6	1,076.2	4,142.3	904.5	—	5,046.8
November 1998 .....	2,764.8	2,878.2	W	6,019.1	W	10,360.5	1,551.6	1,560.8	W	W	—	5,791.5
<b>Alaska</b>												
November 1999 .....	W	W	W	NA	W	NA	W	W	68.5	NA	—	114.0
October 1999 .....	W	W	53.3	W	W	391.0	W	W	W	W	—	64.0
November 1998 .....	W	W	27.1	235.7	—	262.8	W	W	W	W	—	123.4
<b>Arizona</b>												
November 1999 .....	195.2	199.1	NA	659.9	143.8	1,090.9	699.0	702.5	784.8	147.0	—	931.8
October 1999 .....	196.5	199.0	W	639.9	W	1,076.4	219.3	220.3	W	W	—	714.7
November 1998 .....	554.7	562.6	W	W	213.2	1,068.8	1,022.0	1,028.2	W	W	—	2,014.0
<b>California</b>												
November 1999 .....	—	—	—	W	W	389.3	—	—	—	W	—	W
October 1999 .....	—	—	—	W	W	466.8	—	—	—	—	—	—
November 1998 .....	—	—	—	W	W	444.6	—	—	—	—	—	—
<b>Hawaii</b>												
November 1999 .....	NA	NA	427.5	W	W	528.4	—	—	—	—	—	—
October 1999 .....	NA	NA	424.8	W	W	513.3	—	—	—	—	—	—
November 1998 .....	216.5	313.1	544.9	92.0	—	636.9	—	—	—	—	—	—
<b>Nevada</b>												
November 1999 .....	W	W	NA	W	W	542.1	W	W	799.5	W	—	W
October 1999 .....	102.3	104.9	W	455.2	W	704.7	108.6	110.0	W	W	—	1,108.5
November 1998 .....	94.8	96.1	89.6	488.5	171.6	749.7	112.2	113.8	1,011.2	267.1	—	1,278.3
<b>Oregon</b>												
November 1999 .....	281.6	283.1	W	W	W	1,794.8	242.5	243.2	W	W	—	1,575.2
October 1999 .....	366.4	368.0	W	1,909.5	W	2,392.9	202.8	202.9	872.4	134.4	—	1,006.8
November 1998 .....	270.4	272.3	W	W	W	2,045.7	284.4	285.8	W	W	—	1,490.5
<b>Washington</b>												
November 1999 .....	W	W	W	2,626.0	W	4,318.2	W	W	W	W	—	NA
October 1999 .....	W	W	W	2,971.0	W	4,661.0	W	W	W	W	—	NA
November 1998 .....	W	W	W	W	272.2	5,152.1	W	W	W	W	—	885.3

See footnotes at end of table.

**Table 44. Refiner Motor Gasoline Volumes by Formulation, Sales Type, PAD District, and State**

(Thousand Gallons per Day) — Continued

Geographic Area Month	Reformulated						All Formulations					
	Sales to End Users		Sales for Resale				Sales to End Users		Sales for Resale			
	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total	Through Retail Outlets	Total <sup>a</sup>	DTW	Rack	Bulk	Total
<b>Idaho</b>												
November 1999 .....	—	—	—	—	—	—	69.5	72.8	W	W	—	1,308.9
October 1999 .....	—	—	—	—	—	—	68.0	70.6	W	W	—	1,261.5
November 1998 .....	—	—	—	—	—	—	108.4	121.8	162.8	1,106.1	—	1,268.8
<b>Montana</b>												
November 1999 .....	—	—	—	—	—	—	W	15.0	—	1,382.4	—	1,382.4
October 1999 .....	—	—	—	—	—	—	W	18.0	—	1,411.2	—	1,411.2
November 1998 .....	—	—	—	—	—	—	W	16.5	W	W	—	1,242.8
<b>Utah</b>												
November 1999 .....	—	—	—	—	—	—	494.8	523.7	579.5	1,671.2	—	2,250.6
October 1999 .....	—	—	—	—	—	—	514.6	543.1	561.1	1,590.2	—	2,151.3
November 1998 .....	—	—	—	—	—	—	592.4	702.3	594.9	1,504.9	—	2,099.8
<b>Wyoming</b>												
November 1999 .....	—	—	—	—	—	—	W	48.7	W	W	—	643.8
October 1999 .....	—	—	—	—	—	—	W	52.8	NA	632.9	—	646.9
November 1998 .....	—	—	—	—	—	—	W	47.7	W	W	—	568.4
<b>PAD District V</b>												
November 1999 .....	9,432.5	9,589.9	W	7,284.0	W	33,270.8	12,662.7	12,924.4	W	14,275.2	W	48,461.1
October 1999 .....	10,353.5	10,483.4	W	7,173.6	W	33,238.0	13,296.6	13,509.0	W	14,604.7	W	48,490.9
November 1998 .....	9,256.5	9,378.4	W	W	W	31,249.2	13,572.9	13,817.4	W	14,226.1	W	47,401.2
<b>Alaska</b>												
November 1999 .....	—	—	—	—	—	—	NA	NA	W	NA	W	421.9
October 1999 .....	—	—	—	—	—	—	154.1	158.3	W	345.8	W	455.0
November 1998 .....	—	—	—	—	—	—	282.3	285.0	W	W	—	386.2
<b>Arizona</b>												
November 1999 .....	NA	NA	NA	428.5	—	NA	2,688.3	2,701.0	NA	1,235.4	143.8	3,077.6
October 1999 .....	2,397.9	2,401.4	W	W	—	NA	2,813.8	2,820.8	1,742.3	W	W	3,028.7
November 1998 .....	1,154.6	1,154.6	W	W	—	10.7	2,731.4	2,745.4	1,527.0	1,353.3	213.2	3,093.5
<b>California</b>												
November 1999 .....	7,638.5	7,790.5	W	W	W	W	7,638.5	7,790.5	21,461.6	6,940.4	4,188.0	32,590.0
October 1999 .....	7,955.5	8,081.9	21,555.1	W	W	32,000.4	7,955.5	8,081.9	21,555.1	6,938.1	3,974.0	32,467.2
November 1998 .....	8,101.9	8,223.8	20,909.7	W	W	31,238.5	8,101.9	8,223.8	20,909.7	6,379.1	4,394.3	31,683.1
<b>Hawaii</b>												
November 1999 .....	—	—	—	—	—	—	NA	NA	427.5	W	W	528.4
October 1999 .....	—	—	—	—	—	—	NA	NA	424.8	W	W	513.3
November 1998 .....	—	—	—	—	—	—	216.5	313.1	544.9	92.0	—	636.9
<b>Nevada</b>												
November 1999 .....	—	—	—	W	—	W	181.5	186.4	954.4	W	W	1,809.8
October 1999 .....	—	—	—	—	—	—	210.8	214.9	996.7	W	W	1,813.3
November 1998 .....	—	—	—	—	—	—	207.1	209.9	1,100.8	755.6	171.6	2,028.0
<b>Oregon</b>												
November 1999 .....	—	—	—	—	—	—	524.1	526.4	W	1,910.7	W	3,370.1
October 1999 .....	—	—	—	—	—	—	569.2	570.9	W	2,043.9	W	3,399.7
November 1998 .....	—	—	—	—	—	—	554.8	558.1	1,077.0	W	W	3,536.2
<b>Washington</b>												
November 1999 .....	—	—	—	—	—	—	1,345.6	1,350.2	3,448.1	W	W	6,663.3
October 1999 .....	—	—	—	—	—	—	1,433.7	1,437.5	3,362.2	W	W	6,813.7
November 1998 .....	—	—	—	—	—	—	1,479.0	1,482.2	2,511.2	3,254.0	272.2	6,037.4

Dash (—) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

<sup>a</sup> Includes sales through retail outlets as well as all direct sales to end users that were not made through company-operated retail outlets, e.g., sales to agricultural customers, commercial sales, and industrial sales.

Source: Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."

Notes: Motor gasoline averages and totals prior to October 1993 include leaded gasoline.

Notes: Values shown for the current month are preliminary. Values shown for previous months are revised. Data are final upon publication in the *Petroleum Marketing Annual*.

**Table 45. Refiner Volumes of Aviation Fuels, Kerosene, No. 1 Distillate, and Propane (Consumer Grade) by PAD District and State**

(Thousand Gallons per Day)

Geographic Area Month	Aviation Gasoline		Kerosene-Type Jet Fuel		Kerosene		No. 1 Distillate		Propane (Consumer Grade)	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
<b>United States</b>										
November 1999 .....	126.5	597.8	48,943.0	17,466.9	172.5	1,844.0	287.1	2,681.7	3,645.6	35,971.3
October 1999 .....	129.2	677.9	48,208.3	16,038.4	139.5	2,395.0	218.8	1,780.5	2,845.6	34,839.7
November 1998 .....	125.9	417.8	44,305.8	14,643.1	737.3	2,592.7	477.7	2,723.3	2,710.0	34,163.3
<b>PAD District I</b>										
November 1999 .....	49.0	141.2	11,416.7	4,978.3	147.0	1,129.0	NA	112.1	92.1	4,030.0
October 1999 .....	46.9	144.7	11,036.6	4,172.9	121.9	946.5	W	107.7	82.4	4,135.1
November 1998 .....	52.3	100.6	11,316.2	3,172.5	91.1	1,119.4	W	137.9	62.7	4,676.4
<b>Subdistrict IA</b>										
November 1999 .....	W	15.5	1,391.6	NA	W	94.1	NA	W	W	66.1
October 1999 .....	W	17.5	1,361.9	NA	W	67.5	W	W	W	60.9
November 1998 .....	W	W	963.5	80.4	W	59.8	1.4	3.8	W	34.2
<b>Connecticut</b>										
November 1999 .....	W	3.0	244.9	NA	W	W	NA	—	W	W
October 1999 .....	W	3.7	W	40.4	W	W	W	—	W	17.8
November 1998 .....	W	W	W	W	W	W	W	W	W	W
<b>Maine</b>										
November 1999 .....	W	W	W	W	—	27.1	—	—	—	W
October 1999 .....	W	W	W	W	—	17.7	—	—	—	W
November 1998 .....	W	—	W	W	—	21.0	—	W	—	—
<b>Massachusetts</b>										
November 1999 .....	W	W	1,020.4	NA	W	W	—	W	—	W
October 1999 .....	W	W	NA	W	W	W	—	—	—	W
November 1998 .....	W	W	822.9	62.3	W	W	W	W	—	W
<b>New Hampshire</b>										
November 1999 .....	W	W	W	W	W	W	—	—	W	25.9
October 1999 .....	W	W	W	5.0	W	W	—	—	W	27.8
November 1998 .....	W	W	W	W	W	W	—	W	NA	10.7
<b>Rhode Island</b>										
November 1999 .....	—	W	W	NA	W	W	—	W	—	W
October 1999 .....	—	W	W	0.8	—	W	—	W	—	W
November 1998 .....	W	—	W	W	—	W	W	W	—	—
<b>Vermont</b>										
November 1999 .....	—	W	W	W	W	W	—	NA	W	W
October 1999 .....	—	W	W	4.3	W	W	—	NA	W	W
November 1998 .....	—	W	W	W	NA	—	W	W	NA	W
<b>Subdistrict IB</b>										
November 1999 .....	W	28.9	4,931.6	3,028.6	118.5	714.1	W	59.7	W	1,664.5
October 1999 .....	W	33.5	4,962.9	2,437.0	100.4	549.0	3.8	NA	W	1,567.9
November 1998 .....	W	W	4,952.5	2,156.6	80.3	765.5	2.6	41.6	W	2,086.7
<b>Delaware</b>										
November 1999 .....	W	W	0.9	W	W	W	—	—	—	W
October 1999 .....	W	1.0	0.8	W	W	W	—	—	—	W
November 1998 .....	W	W	W	1.0	W	W	—	—	—	W
<b>District of Columbia</b>										
November 1999 .....	—	—	—	W	W	W	—	—	—	W
October 1999 .....	—	—	—	W	W	W	—	—	—	W
November 1998 .....	—	—	W	W	—	—	—	—	—	—
<b>Maryland</b>										
November 1999 .....	W	W	410.8	101.8	W	70.3	W	3.4	W	W
October 1999 .....	W	1.5	276.4	79.2	W	41.6	W	W	W	95.8
November 1998 .....	W	W	328.1	77.3	W	W	W	W	W	W
<b>New Jersey</b>										
November 1999 .....	W	6.9	2,561.8	2,087.2	21.5	302.9	W	W	—	496.5
October 1999 .....	W	7.5	2,734.3	1,572.2	W	279.6	W	NA	W	388.4
November 1998 .....	W	W	2,718.4	1,328.1	W	363.0	NA	W	W	553.7
<b>New York</b>										
November 1999 .....	W	7.2	588.1	441.7	60.1	180.9	NA	W	W	174.6
October 1999 .....	W	9.3	585.4	387.7	53.7	117.2	NA	W	W	246.6
November 1998 .....	W	W	408.7	463.1	64.4	96.0	W	9.7	W	255.1
<b>Pennsylvania</b>										
November 1999 .....	W	12.2	1,370.1	392.6	10.4	158.9	—	28.2	W	711.2
October 1999 .....	W	14.1	1,365.9	392.6	7.2	110.4	W	22.2	W	811.8
November 1998 .....	W	W	1,462.1	W	7.0	274.2	W	27.6	W	902.8

See footnotes at end of table.



**Table 45. Refiner Volumes of Aviation Fuels, Kerosene, No. 1 Distillate, and Propane (Consumer Grade) by PAD District and State**  
(Thousand Gallons per Day) — Continued

Geographic Area Month	Aviation Gasoline		Kerosene-Type Jet Fuel		Kerosene		No. 1 Distillate		Propane (Consumer Grade)	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
<b>Subdistrict IC</b>										
November 1999 .....	32.1	96.8	5,093.4	1,492.1	W	320.8	W	W	56.6	2,299.4
October 1999 .....	28.3	93.7	4,711.8	NA	W	329.9	—	W	55.1	2,506.3
November 1998 .....	32.8	71.5	5,400.1	935.6	W	294.1	W	92.5	53.4	2,555.4
<b>Florida</b>										
November 1999 .....	22.6	42.6	2,680.2	NA	W	20.0	—	W	W	W
October 1999 .....	19.3	37.4	2,144.9	NA	W	15.9	—	W	W	467.1
November 1998 .....	22.2	39.1	2,343.9	200.8	W	29.8	—	—	W	583.6
<b>Georgia</b>										
November 1999 .....	W	16.7	956.9	580.4	W	10.2	W	—	W	370.0
October 1999 .....	2.4	16.6	1,066.1	325.5	W	11.1	—	—	W	491.5
November 1998 .....	2.7	10.2	1,479.7	379.8	1.4	22.4	—	W	W	482.2
<b>North Carolina</b>										
November 1999 .....	W	20.7	499.3	W	2.4	134.7	—	W	21.0	631.5
October 1999 .....	W	20.4	505.2	W	2.4	126.7	—	W	24.3	855.4
November 1998 .....	W	W	590.0	191.6	1.0	82.6	—	W	18.6	803.5
<b>South Carolina</b>										
November 1999 .....	W	W	W	63.5	W	48.7	—	—	W	311.7
October 1999 .....	W	W	W	62.3	W	40.0	—	—	W	371.8
November 1998 .....	3.0	W	W	W	1.4	53.2	—	W	W	322.1
<b>Virginia</b>										
November 1999 .....	W	9.5	845.6	176.9	W	104.6	W	W	W	307.2
October 1999 .....	W	11.3	846.3	221.7	W	133.5	—	W	W	W
November 1998 .....	W	W	891.3	120.3	W	103.4	W	35.0	W	W
<b>West Virginia</b>										
November 1999 .....	W	W	W	W	1.7	2.5	—	W	—	W
October 1999 .....	W	W	W	W	0.9	2.6	—	W	—	W
November 1998 .....	W	W	W	W	1.9	2.7	W	W	—	W
<b>PAD District II</b>										
November 1999 .....	NA	189.6	10,249.4	1,629.2	21.6	355.0	144.7	1,684.0	675.4	9,890.8
October 1999 .....	NA	210.3	9,799.8	1,699.5	13.9	292.6	114.2	1,030.3	770.5	9,988.3
November 1998 .....	26.3	122.8	9,071.0	1,237.7	128.3	397.6	222.6	1,974.1	845.0	11,422.9
<b>Illinois</b>										
November 1999 .....	W	W	1,688.1	84.3	2.8	23.1	W	173.8	W	902.5
October 1999 .....	W	W	NA	120.5	W	22.6	W	99.2	W	1,003.3
November 1998 .....	W	W	2,075.2	63.7	W	44.8	W	144.9	W	1,130.4
<b>Indiana</b>										
November 1999 .....	W	7.9	1,009.0	282.7	W	43.2	W	92.0	W	341.8
October 1999 .....	W	11.9	888.1	164.1	W	24.7	W	46.5	W	393.9
November 1998 .....	W	W	1,117.0	86.3	W	33.8	W	88.6	W	472.1
<b>Iowa</b>										
November 1999 .....	W	27.2	58.3	28.5	W	7.2	W	151.5	W	1,047.9
October 1999 .....	W	22.9	53.9	27.8	W	5.4	W	63.8	W	738.0
November 1998 .....	W	W	NA	23.6	—	2.2	NA	199.5	W	722.1
<b>Kansas</b>										
November 1999 .....	NA	11.1	W	NA	—	5.3	2.3	202.2	W	2,974.9
October 1999 .....	W	NA	NA	NA	—	4.5	W	138.6	W	2,855.3
November 1998 .....	W	W	146.0	20.6	—	6.1	3.8	240.8	W	3,891.5
<b>Kentucky</b>										
November 1999 .....	W	3.5	W	15.8	W	34.4	W	W	13.1	449.1
October 1999 .....	W	2.9	797.6	15.5	W	37.4	W	W	W	410.4
November 1998 .....	1.2	W	682.3	29.8	W	47.1	W	W	W	412.5
<b>Michigan</b>										
November 1999 .....	W	7.1	647.1	123.2	W	53.1	W	70.9	W	875.0
October 1999 .....	NA	11.1	704.7	134.1	W	50.1	W	46.8	W	658.5
November 1998 .....	W	W	672.9	162.7	W	68.4	W	60.5	W	W
<b>Minnesota</b>										
November 1999 .....	W	W	1,205.5	53.8	W	W	31.6	242.1	129.2	686.3
October 1999 .....	W	W	1,092.1	56.2	W	W	W	114.9	114.6	1,218.0
November 1998 .....	W	W	1,056.4	104.8	W	W	42.5	286.9	157.4	794.3
<b>Missouri</b>										
November 1999 .....	W	12.4	1,220.8	81.6	W	4.3	2.2	44.6	W	543.7
October 1999 .....	W	11.0	339.9	83.3	—	8.7	W	30.8	W	600.2
November 1998 .....	W	10.6	394.5	56.9	—	4.8	W	37.1	W	631.9

See footnotes at end of table.

**Table 45. Refiner Volumes of Aviation Fuels, Kerosene, No. 1 Distillate, and Propane (Consumer Grade) by PAD District and State**

(Thousand Gallons per Day) — Continued

Geographic Area Month	Aviation Gasoline		Kerosene-Type Jet Fuel		Kerosene		No. 1 Distillate		Propane (Consumer Grade)	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
<b>Nebraska</b>										
November 1999 .....	W	W	103.3	20.2	—	W	1.9	117.9	W	117.1
October 1999 .....	W	W	128.0	21.4	—	W	W	60.0	W	196.9
November 1998 .....	W	W	89.8	W	—	W	W	159.0	W	W
<b>North Dakota</b>										
November 1999 .....	W	1.5	W	12.5	—	—	W	108.0	W	208.7
October 1999 .....	W	2.0	14.0	13.4	—	—	W	58.9	W	211.6
November 1998 .....	W	W	NA	W	—	W	W	149.5	W	208.1
<b>Ohio</b>										
November 1999 .....	NA	NA	NA	386.4	W	80.9	W	50.2	W	560.7
October 1999 .....	NA	NA	NA	397.0	W	53.8	W	W	W	404.1
November 1998 .....	9.7	26.7	1,080.4	312.4	12.6	76.7	W	79.9	W	678.7
<b>Oklahoma</b>										
November 1999 .....	NA	8.7	554.6	242.6	—	2.2	W	77.0	W	423.4
October 1999 .....	NA	6.5	305.8	378.9	—	1.9	—	114.0	W	431.3
November 1998 .....	3.1	W	436.1	253.6	—	3.7	W	41.3	W	546.8
<b>South Dakota</b>										
November 1999 .....	W	W	16.3	15.8	—	—	1.2	99.5	W	87.5
October 1999 .....	W	W	19.2	16.3	—	W	W	56.2	W	133.2
November 1998 .....	W	W	11.7	12.2	—	W	W	178.0	W	207.1
<b>Tennessee</b>										
November 1999 .....	W	NA	1,130.6	65.6	2.7	85.0	—	W	W	225.4
October 1999 .....	W	NA	1,118.2	74.4	2.3	69.6	—	W	W	288.5
November 1998 .....	W	12.1	1,062.7	54.9	NA	87.3	—	W	W	228.1
<b>Wisconsin</b>										
November 1999 .....	—	W	225.2	138.3	W	8.4	8.8	216.9	92.2	446.8
October 1999 .....	—	W	229.5	116.5	W	7.5	3.3	117.0	W	445.1
November 1998 .....	—	W	147.6	37.9	W	11.2	W	259.4	99.7	462.4
<b>PAD District III</b>										
November 1999 .....	18.2	113.9	10,422.4	7,409.1	W	336.4	21.1	27.7	2,827.8	18,884.7
October 1999 .....	19.1	124.8	11,054.6	6,531.2	W	1,136.0	W	18.5	1,914.7	17,787.9
November 1998 .....	15.9	W	8,683.3	7,796.6	W	930.9	W	30.4	1,745.5	14,409.3
<b>Alabama</b>										
November 1999 .....	W	9.1	175.5	60.4	0.2	12.6	—	W	W	238.5
October 1999 .....	W	9.2	197.9	67.5	W	47.1	—	W	31.8	222.9
November 1998 .....	W	6.4	151.9	43.2	W	11.8	—	—	W	310.6
<b>Arkansas</b>										
November 1999 .....	W	W	41.1	110.8	—	W	—	—	W	91.8
October 1999 .....	W	W	74.5	557.6	—	W	—	—	W	141.3
November 1998 .....	W	W	W	45.0	—	1.5	—	—	W	190.0
<b>Louisiana</b>										
November 1999 .....	W	5.4	2,058.1	2,113.7	W	98.5	—	—	1,158.4	1,082.6
October 1999 .....	W	NA	2,206.8	1,952.2	W	526.7	—	—	517.8	NA
November 1998 .....	W	7.4	2,047.3	1,256.1	W	511.4	—	—	489.0	1,092.5
<b>Mississippi</b>										
November 1999 .....	W	5.3	955.8	647.0	W	W	—	—	W	661.5
October 1999 .....	W	W	735.7	523.3	W	W	—	—	W	520.7
November 1998 .....	W	W	740.0	340.9	W	W	—	—	W	523.2
<b>New Mexico</b>										
November 1999 .....	W	W	151.6	42.8	—	W	W	15.6	W	459.9
October 1999 .....	W	W	146.9	48.9	—	W	W	9.9	W	394.1
November 1998 .....	W	W	W	25.2	—	W	—	20.7	W	455.2
<b>Texas</b>										
November 1999 .....	7.3	78.5	7,040.3	4,434.5	W	119.2	W	W	1,542.2	16,350.3
October 1999 .....	7.5	89.2	7,692.7	3,381.7	—	353.0	W	W	1,272.9	14,898.2
November 1998 .....	6.3	45.7	5,515.5	6,086.2	W	156.6	W	9.7	1,143.6	11,837.8
<b>PAD District IV</b>										
November 1999 .....	NA	26.3	1,647.3	152.9	—	4.4	49.3	351.9	35.4	1,027.1
October 1999 .....	NA	25.0	1,345.9	140.2	—	5.0	37.3	213.0	25.9	943.7
November 1998 .....	6.5	W	1,092.2	106.4	W	4.3	59.8	331.6	37.6	1,071.5
<b>Colorado</b>										
November 1999 .....	W	W	734.5	102.4	—	W	W	91.5	W	389.0
October 1999 .....	W	W	423.0	99.0	—	W	W	62.6	W	371.5
November 1998 .....	W	W	357.7	W	—	W	8.8	101.6	W	355.0

See footnotes at end of table.

**Table 45. Refiner Volumes of Aviation Fuels, Kerosene, No. 1 Distillate, and Propane (Consumer Grade) by PAD District and State**

(Thousand Gallons per Day) — Continued

Geographic Area Month	Aviation Gasoline		Kerosene-Type Jet Fuel		Kerosene		No. 1 Distillate		Propane (Consumer Grade)	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
<b>Idaho</b>										
November 1999 .....	—	W	W	13.9	—	W	7.9	79.0	W	W
October 1999 .....	W	4.0	W	15.5	—	—	W	34.5	W	W
November 1998 .....	W	W	W	3.9	—	—	8.7	54.7	W	W
<b>Montana</b>										
November 1999 .....	W	W	54.2	7.7	—	—	W	71.3	W	232.5
October 1999 .....	W	W	92.8	5.3	—	—	W	49.8	W	186.9
November 1998 .....	W	—	61.3	3.9	—	—	W	77.1	W	213.9
<b>Utah</b>										
November 1999 .....	W	6.5	681.8	27.5	—	W	15.6	40.4	W	W
October 1999 .....	W	5.8	691.7	18.7	—	W	3.0	25.8	W	W
November 1998 .....	W	W	546.1	19.4	—	W	24.4	35.3	W	W
<b>Wyoming</b>										
November 1999 .....	W	W	W	1.4	—	—	10.2	69.7	5.6	286.0
October 1999 .....	W	1.1	W	1.6	—	W	W	40.3	1.0	294.6
November 1998 .....	W	W	W	W	W	W	W	62.9	6.2	376.7
<b>PAD District V</b>										
November 1999 .....	25.5	126.8	15,207.3	3,297.4	W	NA	63.6	505.9	14.9	2,138.7
October 1999 .....	26.3	173.2	14,971.3	3,494.5	W	15.0	48.1	411.0	52.0	1,984.6
November 1998 .....	24.9	103.6	14,143.1	2,329.9	W	140.6	180.8	249.4	19.1	2,583.2
<b>Alaska</b>										
November 1999 .....	W	20.1	2,460.2	219.1	W	—	62.0	395.5	1.4	W
October 1999 .....	11.9	34.0	2,466.0	136.2	W	—	46.2	330.6	1.6	W
November 1998 .....	W	12.5	2,273.4	68.8	W	—	171.1	145.6	1.4	W
<b>Arizona</b>										
November 1999 .....	W	16.0	776.4	205.5	W	W	W	W	—	30.5
October 1999 .....	W	16.3	598.6	225.1	—	W	W	W	—	47.1
November 1998 .....	W	W	609.6	283.1	W	W	W	1.5	—	76.1
<b>California</b>										
November 1999 .....	9.3	64.8	8,684.2	1,721.3	—	W	—	W	W	1,548.3
October 1999 .....	12.7	85.5	8,665.1	1,986.2	—	W	—	NA	W	1,462.9
November 1998 .....	9.7	58.7	8,327.2	1,122.7	—	47.1	—	W	W	1,686.1
<b>Hawaii</b>										
November 1999 .....	—	W	405.2	W	—	—	—	—	—	W
October 1999 .....	—	W	416.6	W	—	—	—	—	—	W
November 1998 .....	—	W	W	W	—	—	—	—	—	W
<b>Nevada</b>										
November 1999 .....	W	9.0	630.3	146.9	—	W	—	1.7	W	147.7
October 1999 .....	—	W	623.1	159.0	—	W	—	W	—	91.3
November 1998 .....	W	W	W	W	—	W	—	W	—	169.8
<b>Oregon</b>										
November 1999 .....	—	W	557.0	W	—	NA	—	30.4	W	W
October 1999 .....	—	W	527.4	W	—	W	—	23.9	W	W
November 1998 .....	—	W	500.8	55.3	—	W	—	15.3	W	W
<b>Washington</b>										
November 1999 .....	W	W	1,693.9	435.6	—	W	W	78.1	W	306.7
October 1999 .....	W	W	1,674.5	411.0	—	NA	W	54.6	W	296.5
November 1998 .....	W	W	1,514.7	140.7	—	W	W	75.7	W	547.4

Dash (—) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

Notes: PAD District and U.S. totals equal the sum of the volumes for all States. In certain PAD Districts, however, volumes are not shown for every State.

Notes: Values shown for the current month are preliminary. Values shown for previous months are revised. Data are final upon publication in the *Petroleum Marketing Annual*.

Source: Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."

**Table 46. Refiner No. 2 Distillate, Diesel Fuel, and Fuel Oil Volumes  
by PAD District and State**

(Thousand Gallons per Day)

Geographic Area Month	No. 2 Diesel Fuel						No. 2 Fuel Oil		No. 2 Distillate	
	Low-Sulfur		High-Sulfur		Total		Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale				
United States										
November 1999 .....	14,242.4	85,523.1	7,332.1	12,861.2	21,574.5	98,384.4	2,994.9	26,864.4	24,569.4	125,248.8
October 1999 .....	14,847.3	88,753.7	7,414.8	13,427.5	22,262.1	102,181.2	2,940.7	23,827.4	25,202.8	126,008.6
November 1998 .....	13,796.6	78,857.4	6,413.3	14,141.1	20,210.0	92,998.6	3,119.8	24,743.1	23,329.8	117,741.7
PAD District I										
November 1999 .....	4,311.2	19,648.0	843.2	2,012.8	5,154.4	21,660.9	1,114.3	17,542.2	6,268.7	39,203.1
October 1999 .....	4,487.7	18,711.0	856.3	2,087.6	5,344.0	20,798.6	1,182.0	15,422.6	6,526.0	36,221.3
November 1998 .....	4,176.2	19,240.4	978.6	3,091.7	5,154.8	22,332.0	1,090.4	15,696.8	6,245.3	38,028.8
Subdistrict IA										
November 1999 .....	NA	W	27.6	W	NA	2,106.5	79.8	3,102.5	NA	5,209.0
October 1999 .....	NA	W	NA	W	NA	1,247.0	59.0	2,255.6	NA	3,502.6
November 1998 .....	W	W	W	W	280.7	1,912.5	38.4	2,612.6	319.2	4,525.1
Connecticut										
November 1999 .....	W	W	—	W	W	813.4	W	896.6	NA	1,710.0
October 1999 .....	W	W	—	W	W	356.0	W	507.1	NA	863.1
November 1998 .....	W	W	—	W	W	671.1	W	651.8	121.9	1,322.9
Maine										
November 1999 .....	W	W	W	W	21.8	245.0	—	331.0	21.8	576.0
October 1999 .....	W	W	W	W	NA	201.2	—	299.6	NA	500.8
November 1998 .....	W	200.2	W	—	10.6	200.2	—	396.7	10.6	596.8
Massachusetts										
November 1999 .....	W	W	10.6	W	W	534.3	W	1,126.0	NA	1,660.4
October 1999 .....	W	W	10.6	W	W	317.8	W	876.0	NA	1,193.8
November 1998 .....	98.3	W	W	W	W	797.3	W	752.3	124.0	1,549.7
New Hampshire										
November 1999 .....	W	223.8	—	—	W	223.8	W	126.0	17.0	349.8
October 1999 .....	W	NA	—	W	W	W	W	W	16.5	NA
November 1998 .....	W	19.8	W	W	11.5	W	NA	W	15.4	330.5
Rhode Island										
November 1999 .....	W	W	1.2	W	W	240.9	W	481.2	NA	722.1
October 1999 .....	NA	W	NA	W	NA	294.2	—	414.8	NA	709.0
November 1998 .....	W	W	—	W	W	211.3	W	495.8	23.0	707.1
Vermont										
November 1999 .....	9.8	49.1	W	—	W	49.1	W	141.6	71.6	190.7
October 1999 .....	10.8	W	W	—	W	W	W	W	53.2	161.4
November 1998 .....	8.5	6.0	W	W	W	W	W	W	NA	18.1
Subdistrict IB										
November 1999 .....	1,360.1	W	NA	W	1,514.7	8,759.2	623.4	12,153.6	2,138.2	20,912.7
October 1999 .....	1,349.5	W	NA	W	1,515.4	9,072.1	558.6	11,091.7	2,074.0	20,163.7
November 1998 .....	W	W	W	W	1,536.5	8,925.9	530.7	10,647.2	2,067.3	19,573.1
Delaware										
November 1999 .....	W	W	NA	W	W	211.2	W	W	W	W
October 1999 .....	16.0	267.4	W	W	W	W	W	W	W	326.1
November 1998 .....	W	199.5	—	—	W	199.5	W	W	W	W
District of Columbia										
November 1999 .....	W	8.2	—	—	W	8.2	W	—	W	W
October 1999 .....	W	8.6	—	—	W	8.6	—	—	W	8.6
November 1998 .....	W	9.6	—	—	W	9.6	W	W	W	W
Maryland										
November 1999 .....	W	656.7	W	41.6	172.0	698.2	50.0	W	222.0	2,249.8
October 1999 .....	W	W	W	26.6	160.0	W	W	W	245.0	1,082.8
November 1998 .....	W	504.5	W	33.7	183.1	538.2	55.9	461.4	239.0	999.6
New Jersey										
November 1999 .....	394.3	3,005.4	NA	230.6	485.8	3,236.0	77.9	4,630.6	563.7	7,866.6
October 1999 .....	394.5	2,849.4	NA	409.6	488.4	3,259.0	63.4	5,640.9	551.8	8,899.9
November 1998 .....	366.4	2,874.9	81.8	992.8	448.2	3,867.7	94.3	4,374.3	542.4	8,242.0
New York										
November 1999 .....	316.5	W	NA	W	360.3	1,223.1	194.7	NA	555.0	4,387.7
October 1999 .....	308.0	W	NA	W	356.2	1,309.4	145.6	NA	501.8	3,852.2
November 1998 .....	W	W	W	W	348.3	1,197.2	162.9	2,923.2	511.2	4,120.4
Pennsylvania										
November 1999 .....	W	3,356.9	W	25.6	480.6	3,382.4	289.0	2,725.9	769.6	6,108.3
October 1999 .....	471.5	3,491.5	21.0	26.8	492.5	3,518.3	254.4	2,475.9	747.0	5,994.2
November 1998 .....	498.8	W	39.5	W	538.3	3,113.7	198.0	2,713.1	736.3	5,826.9

See footnotes at end of table.

**Table 46. Refiner No. 2 Distillate, Diesel Fuel, and Fuel Oil Volumes  
by PAD District and State**

(Thousand Gallons per Day) — Continued

Geographic Area Month	No. 2 Diesel Fuel						No. 2 Fuel Oil		No. 2 Distillate	
	Low-Sulfur		High-Sulfur		Total		Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale				
Subdistrict IC										
November 1999 .....	2,683.1	9,249.8	661.0	1,545.4	3,344.0	10,795.2	411.1	2,286.1	3,755.1	13,081.3
October 1999 .....	2,856.7	9,015.5	671.9	1,464.0	3,528.6	10,479.6	564.4	2,075.3	4,093.0	12,554.9
November 1998 .....	2,589.4	10,072.6	748.2	1,421.1	3,337.6	11,493.7	521.3	2,437.0	3,858.8	13,930.7
Florida										
November 1999 .....	989.3	2,377.7	178.3	585.5	1,167.6	2,963.2	60.2	519.7	1,227.8	3,482.9
October 1999 .....	1,107.6	2,194.5	188.2	560.2	1,295.9	2,754.6	NA	424.8	1,410.0	3,179.5
November 1998 .....	1,019.9	2,438.8	284.7	503.9	1,304.6	2,942.8	79.7	506.2	1,384.4	3,449.0
Georgia										
November 1999 .....	797.0	2,033.1	233.0	192.1	1,030.0	2,225.1	24.6	307.0	1,054.6	2,532.1
October 1999 .....	840.1	1,961.4	192.2	153.0	1,032.4	2,114.4	17.4	293.7	1,049.8	2,408.1
November 1998 .....	694.0	2,263.2	140.8	251.1	834.8	2,514.3	30.4	272.4	865.3	2,786.7
North Carolina										
November 1999 .....	328.3	2,024.6	143.8	391.8	472.2	2,416.4	93.5	428.8	565.6	2,845.2
October 1999 .....	317.7	1,974.0	169.2	396.3	487.0	2,370.3	58.9	357.2	545.8	2,727.5
November 1998 .....	341.3	2,171.6	124.4	348.2	465.7	2,519.8	103.7	501.3	569.4	3,021.1
South Carolina										
November 1999 .....	W	W	W	W	347.5	974.8	55.3	164.7	402.8	1,139.5
October 1999 .....	W	W	W	W	378.7	929.5	55.3	134.2	434.0	1,063.7
November 1998 .....	252.9	1,058.5	W	119.5	W	1,178.0	W	202.1	337.0	1,380.1
Virginia										
November 1999 .....	198.8	1,801.4	W	237.7	W	2,039.0	W	740.2	296.4	2,779.2
October 1999 .....	206.9	1,922.5	W	221.6	W	2,144.1	W	724.7	357.4	2,868.9
November 1998 .....	204.4	1,957.6	134.4	155.8	338.8	2,113.4	107.7	825.4	446.5	2,938.8
West Virginia										
November 1999 .....	W	W	W	W	W	176.7	W	125.6	207.9	302.3
October 1999 .....	W	W	W	W	W	166.5	W	140.6	295.9	307.2
November 1998 .....	76.8	182.8	W	42.6	W	225.4	W	129.6	256.2	355.0
PAD District II										
November 1999 .....	5,182.0	26,686.2	2,676.9	2,366.6	7,858.9	29,052.8	1,464.0	5,263.5	9,322.8	34,316.3
October 1999 .....	5,622.1	28,821.8	2,235.1	2,567.2	7,857.2	31,389.1	1,361.3	5,404.5	9,218.5	36,793.6
November 1998 .....	5,333.1	23,524.8	2,482.7	2,570.2	7,815.8	26,095.0	1,640.7	5,176.8	9,456.5	31,271.8
Illinois										
November 1999 .....	W	2,357.7	W	61.3	602.4	2,419.0	91.4	1,578.2	693.9	3,997.3
October 1999 .....	W	2,589.6	W	156.4	697.3	2,746.0	97.9	1,536.9	795.2	4,283.0
November 1998 .....	618.0	2,649.7	101.3	134.1	719.3	2,783.8	NA	1,260.8	1,006.9	4,044.7
Indiana										
November 1999 .....	W	2,516.0	W	256.6	982.1	2,772.5	157.7	446.5	1,139.8	3,219.0
October 1999 .....	W	2,585.8	W	NA	892.1	2,816.1	175.0	442.9	1,067.0	3,259.0
November 1998 .....	942.4	2,231.9	W	270.8	W	2,502.7	W	412.7	1,154.3	2,915.4
Iowa										
November 1999 .....	159.6	1,660.8	7.2	44.9	166.8	1,705.7	29.3	85.3	196.1	1,791.0
October 1999 .....	W	2,176.0	W	76.2	159.0	2,252.2	5.9	174.8	164.9	2,427.1
November 1998 .....	127.0	1,433.7	W	95.8	W	1,529.5	W	180.7	NA	1,710.2
Kansas										
November 1999 .....	189.9	1,637.3	66.8	201.0	256.7	1,838.3	9.3	112.8	266.0	1,951.1
October 1999 .....	203.5	1,908.8	W	129.7	W	2,038.5	W	112.2	305.1	2,150.7
November 1998 .....	W	1,418.4	W	103.0	289.0	1,521.4	NA	119.4	299.4	1,640.8
Kentucky										
November 1999 .....	394.1	1,332.1	W	264.3	W	1,596.4	W	385.9	773.9	1,982.3
October 1999 .....	386.8	1,382.3	W	267.5	W	1,649.7	W	382.9	712.9	2,032.6
November 1998 .....	334.0	1,161.9	W	184.8	W	1,346.7	W	410.3	717.1	1,757.0
Michigan										
November 1999 .....	447.7	2,294.8	W	131.1	W	2,425.9	W	439.3	615.2	2,865.2
October 1999 .....	W	2,455.2	W	137.1	576.2	2,592.3	46.7	455.0	622.9	3,047.3
November 1998 .....	541.5	1,829.2	W	162.6	W	1,991.8	W	446.8	729.0	2,438.6
Minnesota										
November 1999 .....	138.6	1,378.8	12.0	180.1	150.6	1,558.9	163.1	240.7	313.7	1,799.6
October 1999 .....	W	1,948.3	W	274.1	160.2	2,222.5	141.5	345.9	301.7	2,568.4
November 1998 .....	W	1,118.8	W	233.0	238.9	1,351.8	NA	411.0	466.4	1,762.8
Missouri										
November 1999 .....	214.6	1,829.2	W	70.7	W	1,899.9	W	102.9	259.8	2,002.8
October 1999 .....	261.0	1,611.5	W	69.5	W	1,681.1	W	94.9	307.4	1,776.0
November 1998 .....	153.1	1,868.6	17.2	78.6	170.3	1,947.3	NA	121.3	NA	2,068.6

See footnotes at end of table.

**Table 46. Refiner No. 2 Distillate, Diesel Fuel, and Fuel Oil Volumes  
by PAD District and State**

(Thousand Gallons per Day) — Continued

Geographic Area Month	No. 2 Diesel Fuel						No. 2 Fuel Oil		No. 2 Distillate	
	Low-Sulfur		High-Sulfur		Total		Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale				
Nebraska										
November 1999 .....	42.0	877.7	W	51.9	W	929.6	W	39.2	761.7	968.8
October 1999 .....	48.9	1,152.0	W	100.1	W	1,252.1	W	69.4	124.8	1,321.5
November 1998 .....	W	843.3	W	64.9	219.2	908.2	NA	50.6	220.6	958.8
North Dakota										
November 1999 .....	26.5	492.3	W	W	W	W	W	W	144.8	585.6
October 1999 .....	27.6	638.6	W	W	W	W	W	W	162.5	841.7
November 1998 .....	34.2	370.2	—	NA	34.2	430.5	NA	76.0	NA	506.5
Ohio										
November 1999 .....	1,400.6	2,221.7	W	266.2	W	2,487.9	W	818.7	2,132.1	3,306.5
October 1999 .....	1,483.9	2,085.2	W	269.3	W	2,354.5	W	814.4	2,080.7	3,168.9
November 1998 .....	1,249.6	1,981.3	W	305.3	W	2,286.6	W	828.4	1,930.8	3,115.0
Oklahoma										
November 1999 .....	W	3,304.0	727.6	W	W	W	W	W	962.6	3,601.6
October 1999 .....	W	3,163.3	1,013.0	W	W	W	W	W	1,254.8	3,351.4
November 1998 .....	W	2,552.9	958.8	204.9	W	2,757.8	W	79.6	1,171.6	2,837.4
South Dakota										
November 1999 .....	W	485.4	—	W	W	W	W	W	7.1	506.2
October 1999 .....	W	623.5	—	W	W	W	W	W	8.3	658.7
November 1998 .....	W	480.4	—	13.4	W	493.8	W	NA	11.3	519.3
Tennessee										
November 1999 .....	596.0	2,625.3	162.4	380.7	758.4	3,006.0	17.5	358.6	775.9	3,364.7
October 1999 .....	795.4	2,665.8	186.4	361.3	981.8	3,027.1	21.5	338.5	1,003.3	3,365.7
November 1998 .....	579.2	2,198.2	227.0	455.0	806.2	2,653.2	NA	243.4	824.9	2,896.6
Wisconsin										
November 1999 .....	229.1	1,673.2	W	213.4	W	1,886.6	W	487.9	280.3	2,374.5
October 1999 .....	246.5	1,835.9	W	238.5	W	2,074.4	W	467.3	307.1	2,541.7
November 1998 .....	W	1,386.3	W	203.6	286.5	1,589.9	NA	510.2	313.9	2,100.1
PAD District III										
November 1999 .....	1,571.8	21,552.7	2,020.3	6,370.4	3,592.0	27,923.2	177.3	3,891.0	3,769.3	31,814.2
October 1999 .....	1,564.0	21,396.3	W	6,962.4	W	28,358.7	W	2,792.1	3,635.3	31,150.8
November 1998 .....	1,572.2	20,285.6	1,769.8	6,161.7	3,342.0	26,447.3	186.2	3,579.3	3,528.2	30,026.6
Alabama										
November 1999 .....	229.5	1,242.3	86.7	185.9	316.2	1,428.2	24.1	219.6	340.3	1,647.8
October 1999 .....	213.2	1,127.7	79.1	214.4	292.3	1,342.0	25.8	198.0	318.1	1,540.0
November 1998 .....	210.4	1,178.3	149.9	144.4	360.3	1,322.6	42.7	255.8	403.0	1,578.5
Arkansas										
November 1999 .....	NA	1,111.4	W	439.6	W	1,551.0	W	122.6	342.6	1,673.7
October 1999 .....	155.7	1,195.6	W	503.1	W	1,698.7	W	93.8	202.8	1,792.5
November 1998 .....	191.2	1,331.2	W	482.8	W	1,813.9	W	NA	236.0	1,871.2
Louisiana										
November 1999 .....	169.7	1,565.4	NA	3,036.0	NA	4,601.4	35.8	784.8	NA	5,386.1
October 1999 .....	162.2	1,849.9	373.7	3,780.6	535.9	5,630.5	30.9	935.5	566.8	6,566.0
November 1998 .....	W	1,804.6	448.5	3,297.0	W	5,101.6	W	1,134.5	643.0	6,236.1
Mississippi										
November 1999 .....	117.3	1,036.6	W	542.4	W	1,579.1	W	85.0	204.4	1,664.1
October 1999 .....	W	1,416.2	W	563.3	W	1,979.5	W	107.1	210.7	2,086.6
November 1998 .....	143.6	1,136.3	W	344.2	W	1,480.5	W	98.4	209.2	1,578.8
New Mexico										
November 1999 .....	143.0	971.7	—	105.0	143.0	1,076.7	—	—	143.0	1,076.7
October 1999 .....	W	946.8	W	80.7	141.9	1,027.5	—	—	141.9	1,027.5
November 1998 .....	W	833.4	W	78.1	112.4	911.5	—	—	112.4	911.5
Texas										
November 1999 .....	757.9	15,625.4	1,448.1	2,061.4	2,206.0	17,686.8	78.4	2,679.0	2,284.4	20,365.8
October 1999 .....	768.7	14,860.1	1,339.3	1,820.4	2,108.1	16,680.5	86.8	1,457.7	2,194.9	18,138.2
November 1998 .....	748.0	14,001.8	1,108.7	1,815.3	1,856.7	15,817.1	NA	2,033.3	1,924.6	17,850.4
PAD District IV										
November 1999 .....	948.1	3,983.5	W	W	W	W	W	W	1,548.8	4,412.1
October 1999 .....	1,017.1	4,523.6	W	W	W	W	W	W	1,645.6	4,966.9
November 1998 .....	839.5	3,374.8	485.5	412.1	1,325.0	3,786.9	NA	NA	1,431.2	3,797.1
Colorado										
November 1999 .....	W	W	W	W	W	W	W	W	300.4	1,266.1
October 1999 .....	200.2	1,288.5	W	W	W	W	W	W	400.2	1,433.1
November 1998 .....	W	W	W	W	287.1	1,177.0	NA	NA	287.6	1,187.1

See footnotes at end of table.

**Table 46. Refiner No. 2 Distillate, Diesel Fuel, and Fuel Oil Volumes  
by PAD District and State**

(Thousand Gallons per Day) — Continued

Geographic Area Month	No. 2 Diesel Fuel						No. 2 Fuel Oil		No. 2 Distillate	
	Low-Sulfur		High-Sulfur		Total		Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale				
<b>Idaho</b>										
November 1999 .....	W	624.9	W	152.1	103.2	777.0	—	—	103.2	777.0
October 1999 .....	W	723.6	W	166.8	103.9	890.5	—	—	103.9	890.5
November 1998 .....	W	518.5	W	114.5	93.1	633.0	NA	—	95.4	633.0
<b>Montana</b>										
November 1999 .....	W	W	—	W	W	564.3	W	—	158.7	564.3
October 1999 .....	W	W	—	W	W	675.3	W	—	181.7	675.3
November 1998 .....	128.4	481.9	—	—	128.4	481.9	NA	—	128.8	481.9
<b>Utah</b>										
November 1999 .....	322.1	881.6	W	119.4	W	1,001.0	W	—	413.4	1,001.0
October 1999 .....	W	963.1	W	110.1	W	1,073.2	W	—	419.0	1,073.2
November 1998 .....	W	722.2	W	124.3	292.0	846.5	NA	—	395.0	846.5
<b>Wyoming</b>										
November 1999 .....	307.3	789.2	W	14.5	W	803.7	W	—	573.1	803.7
October 1999 .....	314.2	W	W	W	W	894.9	W	—	540.9	894.9
November 1998 .....	W	W	W	W	524.4	648.5	—	—	524.4	648.5
<b>PAD District V</b>										
November 1999 .....	2,229.3	13,652.6	W	W	W	W	W	W	3,659.7	15,503.2
October 1999 .....	2,156.5	15,301.0	1,921.7	W	4,078.2	W	99.2	W	4,177.5	16,876.1
November 1998 .....	1,875.6	12,431.9	696.7	1,905.4	2,572.3	14,337.3	96.4	280.1	2,668.7	14,617.4
<b>Alaska</b>										
November 1999 .....	NA	NA	NA	W	NA	W	119.3	143.8	202.9	NA
October 1999 .....	—	W	180.9	W	180.9	W	93.0	176.9	273.9	406.8
November 1998 .....	W	W	W	W	74.1	W	W	234.6	167.7	449.9
<b>Arizona</b>										
November 1999 .....	W	W	W	W	385.3	993.5	—	—	385.3	993.5
October 1999 .....	W	1,266.7	W	4.7	452.1	1,271.4	—	—	452.1	1,271.4
November 1998 .....	W	W	W	W	381.2	1,003.0	—	—	381.2	1,003.0
<b>California</b>										
November 1999 .....	W	9,333.5	W	131.0	1,747.5	9,464.6	—	—	1,747.5	9,464.6
October 1999 .....	W	10,250.1	W	127.3	1,664.1	10,377.4	—	—	1,664.1	10,377.4
November 1998 .....	1,405.2	8,296.1	—	W	1,405.2	W	—	W	1,405.2	8,964.6
<b>Hawaii</b>										
November 1999 .....	W	NA	W	NA	W	NA	—	—	W	NA
October 1999 .....	W	NA	W	NA	W	NA	—	—	W	NA
November 1998 .....	38.9	50.5	W	92.0	W	142.5	—	—	W	142.5
<b>Nevada</b>										
November 1999 .....	35.4	W	W	W	W	639.0	W	—	W	639.0
October 1999 .....	42.1	829.3	W	40.8	W	870.1	W	—	W	870.1
November 1998 .....	W	W	W	W	100.0	546.8	—	—	100.0	546.8
<b>Oregon</b>										
November 1999 .....	W	1,120.3	W	W	375.3	W	—	W	375.3	1,546.2
October 1999 .....	W	W	W	455.8	395.0	W	—	W	395.0	1,569.0
November 1998 .....	W	1,001.4	W	341.9	72.7	1,343.3	—	—	W	1,343.3
<b>Washington</b>										
November 1999 .....	W	1,554.8	W	680.6	461.1	2,235.4	—	21.8	461.1	2,257.2
October 1999 .....	144.1	1,781.6	W	452.1	W	2,233.7	W	27.3	810.7	2,260.9
November 1998 .....	94.8	W	W	594.2	W	W	W	W	179.0	2,167.2

Dash (—) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

Notes: PAD District and U.S. totals equal the sum of the volumes for all States. In certain PAD Districts, however, volumes are not shown for every State.

Notes: Values shown for the current month are preliminary. Values shown for previous months are revised. Data are final upon publication in the *Petroleum Marketing Annual*.

Source: Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."

**Table 47. Refiner Residual Fuel Oil and No. 4 Fuel Volumes by PAD District**

(Thousand Gallons per Day)

Geographic Area Month	Residual Fuel Oil						No. 4 Fuel <sup>a</sup>	
	Sulfur Less Than or Equal to 1 Percent		Sulfur Greater Than 1 Percent		Total		Sales to End Users	Sales for Resale
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale		
United States								
November 1999 ...	3,225.0	4,752.4	NA	3,611.3	NA	8,363.7	292.8	92.5
October 1999 .....	3,438.8	3,353.0	8,347.5	6,317.1	11,786.3	9,670.1	217.1	178.0
November 1998 ...	4,086.5	4,957.1	7,740.2	7,951.5	11,826.7	12,908.6	291.2	153.8
PAD District I								
November 1999 ...	2,105.4	4,161.3	NA	300.1	NA	4,461.4	207.4	W
October 1999 .....	2,206.1	2,862.6	5,184.0	972.5	7,390.1	3,835.1	W	W
November 1998 ...	2,930.4	3,598.8	4,423.4	2,547.7	7,353.8	6,146.4	W	136.7
Subdistrict IA								
November 1999 ...	W	W	W	NA	NA	W	W	W
October 1999 .....	W	W	W	W	NA	W	W	W
November 1998 ...	W	W	W	W	W	W	W	W
Subdistrict IB								
November 1999 ...	1,535.8	2,087.8	NA	215.4	NA	2,303.2	W	W
October 1999 .....	W	1,471.9	W	420.7	3,633.9	1,892.7	W	W
November 1998 ...	2,780.8	2,193.2	2,011.0	873.7	4,791.8	3,067.0	W	124.1
Subdistrict IC								
November 1999 ...	W	W	W	NA	3,047.2	W	19.0	W
October 1999 .....	W	W	W	W	2,357.7	W	6.9	W
November 1998 ...	W	W	W	W	W	W	10.4	W
PAD District II								
November 1999 ...	W	W	102.0	W	W	290.3	W	W
October 1999 .....	W	NA	101.9	232.9	W	303.4	W	W
November 1998 ...	W	W	W	W	W	323.7	W	W
PAD District III								
November 1999 ...	W	W	W	W	NA	2,540.2	W	—
October 1999 .....	W	7.0	W	4,808.3	1,246.7	4,815.3	—	W
November 1998 ...	W	W	W	W	2,090.9	5,206.2	—	W
PAD District IV								
November 1999 ...	—	W	W	W	W	93.9	—	—
October 1999 .....	—	W	W	W	W	82.3	—	—
November 1998 ...	—	W	W	W	W	38.7	—	—
PAD District V								
November 1999 ...	NA	375.2	NA	NA	NA	977.9	W	W
October 1999 .....	W	W	W	W	3,030.3	634.1	W	W
November 1998 ...	W	481.0	W	712.6	2,312.1	1,193.6	W	W

Dash (—) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

<sup>a</sup> Includes No. 4 fuel oil and No. 4 diesel fuel.

Notes: Values shown for the current month are preliminary. Values shown for previous months are revised. Data are final upon publication in the *Petroleum Marketing Annual*.

Source: Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."



**Prime Supplier  
Sales Volumes  
of Petroleum  
Products for  
Local  
Consumption**

**Table 48. Prime Supplier Sales Volumes of Motor Gasoline by Grade, Formulation, PAD District, and State**  
(Thousand Gallons per Day)

Geographic Area Month	Regular				Midgrade			
	Conventional	Oxygenated	Reformulated	Total	Conventional	Oxygenated	Reformulated	Total
<b>United States</b>								
November 1999 .....	166,553.6	13,579.5	79,342.1	259,475.2	20,973.2	2,026.3	13,948.3	36,947.8
October 1999 .....	170,496.7	11,470.8	81,344.9	263,312.4	21,075.3	1,605.0	14,101.9	36,782.2
November 1998 .....	157,828.4	12,688.5	73,999.9	244,516.7	22,268.8	1,965.4	14,792.0	39,026.2
<b>PAD District I</b>								
November 1999 .....	54,720.8	—	30,819.5	85,540.3	8,860.2	—	5,506.0	14,366.2
October 1999 .....	54,969.4	—	31,617.8	86,587.2	8,673.4	—	5,607.8	14,281.2
November 1998 .....	48,814.9	—	30,335.5	79,150.4	8,793.5	—	5,832.2	14,625.7
<b>Subdistrict IA</b>								
November 1999 .....	2,660.1	—	9,450.8	12,110.8	250.9	—	1,327.3	1,578.2
October 1999 .....	2,753.6	—	9,562.3	12,315.9	268.6	—	1,360.8	1,629.4
November 1998 .....	1,637.5	—	9,990.7	11,628.2	180.4	—	1,565.8	1,746.2
<b>Connecticut</b>								
November 1999 .....	—	—	2,730.4	2,730.4	—	—	394.5	394.5
October 1999 .....	—	—	2,738.5	2,738.5	—	—	404.0	404.0
November 1998 .....	—	—	2,547.0	2,547.0	—	—	446.3	446.3
<b>Maine</b>								
November 1999 .....	W	—	W	1,685.8	150.3	—	—	150.3
October 1999 .....	W	—	W	1,721.8	W	—	W	158.4
November 1998 .....	815.1	—	969.3	1,784.4	77.9	—	101.7	179.6
<b>Massachusetts</b>								
November 1999 .....	—	—	4,932.7	4,932.7	—	—	694.3	694.3
October 1999 .....	—	—	4,945.8	4,945.8	—	—	710.9	710.9
November 1998 .....	—	—	4,772.6	4,772.6	—	—	757.5	757.5
<b>New Hampshire</b>								
November 1999 .....	W	—	W	1,116.4	35.6	—	95.9	131.5
October 1999 .....	W	—	W	1,186.6	W	—	W	139.7
November 1998 .....	296.6	—	735.3	1,031.9	38.0	—	105.1	143.0
<b>Rhode Island</b>								
November 1999 .....	—	—	1,012.5	1,012.5	—	—	142.6	142.6
October 1999 .....	—	—	1,058.2	1,058.2	—	—	147.2	147.2
November 1998 .....	—	—	966.5	966.5	—	—	155.2	155.2
<b>Vermont</b>								
November 1999 .....	633.1	—	—	633.1	65.0	—	—	65.0
October 1999 .....	665.1	—	—	665.1	69.2	—	—	69.2
November 1998 .....	525.8	—	—	525.8	64.5	—	—	64.5
<b>Subdistrict IB</b>								
November 1999 .....	13,852.9	—	17,727.8	31,580.7	1,349.8	—	3,365.4	4,715.2
October 1999 .....	13,904.2	—	18,356.5	32,260.6	1,343.6	—	3,416.7	4,760.4
November 1998 .....	12,529.3	—	17,034.5	29,563.8	1,450.9	—	3,425.3	4,876.1
<b>Delaware</b>								
November 1999 .....	—	—	917.2	917.2	—	—	153.4	153.4
October 1999 .....	—	—	923.9	923.9	—	—	152.6	152.6
November 1998 .....	—	—	695.3	695.3	—	—	163.4	163.4
<b>District of Columbia</b>								
November 1999 .....	—	—	133.5	133.5	—	—	69.7	69.7
October 1999 .....	—	—	141.3	141.3	—	—	74.0	74.0
November 1998 .....	—	—	124.0	124.0	—	—	68.6	68.6
<b>Maryland</b>								
November 1999 .....	432.4	—	3,120.0	3,552.3	54.9	—	725.4	780.3
October 1999 .....	457.8	—	3,218.8	3,676.6	61.6	—	725.2	786.8
November 1998 .....	432.7	—	2,945.1	3,377.8	72.0	—	741.9	813.9
<b>New Jersey</b>								
November 1999 .....	—	—	6,721.8	6,721.8	—	—	1,124.8	1,124.8
October 1999 .....	—	—	6,987.4	6,987.4	—	—	1,143.3	1,143.3
November 1998 .....	—	—	6,812.5	6,812.5	—	—	1,201.9	1,201.9
<b>New York</b>								
November 1999 .....	5,315.0	—	4,571.5	9,886.5	411.3	—	814.9	1,226.2
October 1999 .....	5,423.7	—	4,671.0	10,094.7	416.9	—	834.0	1,250.9
November 1998 .....	5,098.7	—	4,341.6	9,440.4	466.4	—	785.9	1,252.3
<b>Pennsylvania</b>								
November 1999 .....	8,105.5	—	2,263.8	10,369.4	883.6	—	477.2	1,360.9
October 1999 .....	8,022.7	—	2,414.1	10,436.8	865.1	—	487.5	1,352.7
November 1998 .....	6,997.8	—	2,115.9	9,113.7	912.4	—	463.5	1,376.0

See footnotes at end of table.

**Table 48. Prime Supplier Sales Volumes of Motor Gasoline by Grade, Formulation, PAD District, and State**

(Thousand Gallons per Day) — Continued

Geographic Area Month	Premium				All Grades			
	Conventional	Oxygenated	Reformulated	Total	Conventional	Oxygenated	Reformulated	Total
<b>United States</b>								
November 1999 .....	32,506.8	1,842.5	22,530.6	56,880.0	220,033.6	17,448.3	115,821.0	353,303.0
October 1999 .....	32,311.5	1,317.3	22,236.9	55,865.6	223,883.5	14,393.1	117,683.6	355,960.2
November 1998 .....	36,803.9	2,211.9	24,672.7	63,688.4	216,901.0	16,865.8	113,464.5	347,231.3
<b>PAD District I</b>								
November 1999 .....	13,602.1	—	11,086.1	24,688.2	77,183.2	—	47,411.5	124,594.7
October 1999 .....	13,370.3	—	11,087.3	24,457.5	77,013.1	—	48,312.9	125,326.0
November 1998 .....	14,991.8	—	12,859.3	27,851.1	72,600.3	—	49,026.9	121,627.2
<b>Subdistrict IA</b>								
November 1999 .....	349.6	—	2,197.8	2,547.3	3,260.5	—	12,975.8	16,236.4
October 1999 .....	365.6	—	2,200.6	2,566.3	3,387.9	—	13,123.7	16,511.6
November 1998 .....	262.7	—	2,803.5	3,066.3	2,080.6	—	14,360.1	16,440.7
<b>Connecticut</b>								
November 1999 .....	—	—	710.7	710.7	—	—	3,835.6	3,835.6
October 1999 .....	—	—	710.8	710.8	—	—	3,853.2	3,853.2
November 1998 .....	—	—	770.7	770.7	—	—	3,764.0	3,764.0
<b>Maine</b>								
November 1999 .....	W	—	W	199.7	W	—	W	2,035.8
October 1999 .....	W	—	W	205.0	W	—	W	2,085.3
November 1998 .....	108.4	—	183.7	292.1	1,001.4	—	1,254.7	2,256.1
<b>Massachusetts</b>								
November 1999 .....	—	—	1,116.2	1,116.2	—	—	6,743.3	6,743.3
October 1999 .....	—	—	1,112.6	1,112.6	—	—	6,769.3	6,769.3
November 1998 .....	—	—	1,417.5	1,417.5	—	—	6,947.7	6,947.7
<b>New Hampshire</b>								
November 1999 .....	W	—	W	177.4	W	—	W	1,425.3
October 1999 .....	W	—	W	183.9	W	—	W	1,510.3
November 1998 .....	49.2	—	154.2	203.3	383.7	—	994.6	1,378.3
<b>Rhode Island</b>								
November 1999 .....	—	—	237.3	237.3	—	—	1,392.4	1,392.4
October 1999 .....	—	—	244.0	244.0	—	—	1,449.3	1,449.3
November 1998 .....	—	—	277.5	277.5	—	—	1,399.2	1,399.2
<b>Vermont</b>								
November 1999 .....	105.9	—	—	105.9	804.0	—	—	804.0
October 1999 .....	109.9	—	—	109.9	844.2	—	—	844.2
November 1998 .....	105.1	—	—	105.1	695.5	—	—	695.5
<b>Subdistrict IB</b>								
November 1999 .....	2,378.4	—	7,615.6	9,994.0	17,581.0	—	28,708.8	46,289.9
October 1999 .....	2,404.4	—	7,613.9	10,018.4	17,652.3	—	29,387.1	47,039.4
November 1998 .....	2,841.6	—	8,670.4	11,511.9	16,821.7	—	29,130.1	45,951.8
<b>Delaware</b>								
November 1999 .....	—	—	176.4	176.4	—	—	1,247.0	1,247.0
October 1999 .....	—	—	174.3	174.3	—	—	1,250.8	1,250.8
November 1998 .....	W	—	W	175.4	W	—	W	1,034.1
<b>District of Columbia</b>								
November 1999 .....	—	—	120.9	120.9	—	—	324.1	324.1
October 1999 .....	—	—	129.0	129.0	—	—	344.3	344.3
November 1998 .....	—	—	149.8	149.8	—	—	342.4	342.4
<b>Maryland</b>								
November 1999 .....	88.1	—	1,075.7	1,163.8	575.3	—	4,921.1	5,496.4
October 1999 .....	94.7	—	1,075.6	1,170.4	614.1	—	5,019.7	5,633.8
November 1998 .....	W	—	W	1,329.6	W	—	W	5,521.3
<b>New Jersey</b>								
November 1999 .....	—	—	2,673.8	2,673.8	—	—	10,520.4	10,520.4
October 1999 .....	—	—	2,714.3	2,714.3	—	—	10,845.0	10,845.0
November 1998 .....	—	—	3,270.6	3,270.6	—	—	11,285.0	11,285.0
<b>New York</b>								
November 1999 .....	810.3	—	2,860.6	3,670.9	6,536.6	—	8,247.0	14,783.6
October 1999 .....	822.1	—	2,806.3	3,628.5	6,662.8	—	8,311.3	14,974.1
November 1998 .....	950.5	—	3,046.6	3,997.2	6,515.7	—	8,174.2	14,689.9
<b>Pennsylvania</b>								
November 1999 .....	1,480.0	—	708.2	2,188.2	10,469.2	—	3,449.3	13,918.4
October 1999 .....	1,487.6	—	714.4	2,201.9	10,375.4	—	3,616.0	13,991.4
November 1998 .....	1,776.8	—	812.6	2,589.4	9,687.1	—	3,392.0	13,079.1

See footnotes at end of table.

**Table 48. Prime Supplier Sales Volumes of Motor Gasoline by Grade, Formulation, PAD District, and State**

(Thousand Gallons per Day) — Continued

Geographic Area Month	Regular				Midgrade			
	Conventional	Oxygenated	Reformulated	Total	Conventional	Oxygenated	Reformulated	Total
<b>Subdistrict IC</b>								
November 1999 .....	38,207.9	—	3,640.9	41,848.8	7,259.5	—	813.3	8,072.8
October 1999 .....	38,311.6	—	3,699.1	42,010.6	7,061.2	—	830.2	7,891.4
November 1998 .....	34,648.1	—	3,310.2	37,958.4	7,162.3	—	841.1	8,003.4
<b>Florida</b>								
November 1999 .....	12,987.7	—	—	12,987.7	2,827.7	—	—	2,827.7
October 1999 .....	12,861.1	—	—	12,861.1	2,718.2	—	—	2,718.2
November 1998 .....	11,675.1	—	—	11,675.1	2,794.7	—	—	2,794.7
<b>Georgia</b>								
November 1999 .....	8,551.7	—	—	8,551.7	1,652.2	—	—	1,652.2
October 1999 .....	8,642.4	—	—	8,642.4	1,669.7	—	—	1,669.7
November 1998 .....	7,733.8	—	—	7,733.8	1,594.2	—	—	1,594.2
<b>North Carolina</b>								
November 1999 .....	7,738.2	—	—	7,738.2	1,384.2	—	—	1,384.2
October 1999 .....	7,681.2	—	—	7,681.2	1,290.4	—	—	1,290.4
November 1998 .....	7,176.5	—	—	7,176.5	1,416.7	—	—	1,416.7
<b>South Carolina</b>								
November 1999 .....	4,336.5	—	—	4,336.5	690.9	—	—	690.9
October 1999 .....	4,447.0	—	—	4,447.0	689.3	—	—	689.3
November 1998 .....	3,723.6	—	—	3,723.6	621.5	—	—	621.5
<b>Virginia</b>								
November 1999 .....	3,393.6	—	3,640.9	7,034.5	535.0	—	813.3	1,348.3
October 1999 .....	3,390.5	—	3,699.1	7,089.5	515.7	—	830.2	1,345.9
November 1998 .....	3,120.6	—	3,310.2	6,430.9	552.0	—	841.1	1,393.1
<b>West Virginia</b>								
November 1999 .....	1,200.1	—	—	1,200.1	169.5	—	—	169.5
October 1999 .....	1,289.5	—	—	1,289.5	177.9	—	—	177.9
November 1998 .....	1,218.5	—	—	1,218.5	183.2	—	—	183.2
<b>PAD District II</b>								
November 1999 .....	66,955.5	4,958.7	10,335.2	82,249.4	6,604.3	926.1	1,746.0	9,276.4
October 1999 .....	67,974.3	5,214.1	10,605.5	83,793.9	6,696.4	919.3	1,788.4	9,404.1
November 1998 .....	63,984.8	4,683.1	7,705.9	76,373.9	7,348.5	762.8	1,672.4	9,783.7
<b>Illinois</b>								
November 1999 .....	4,407.6	—	4,905.1	9,312.8	370.1	—	1,054.1	1,424.2
October 1999 .....	4,476.3	—	5,073.9	9,550.2	359.3	—	1,080.4	1,439.6
November 1998 .....	4,337.1	—	4,522.1	8,859.2	525.1	—	1,173.9	1,699.0
<b>Indiana</b>								
November 1999 .....	5,570.7	—	1,047.4	6,618.1	679.0	—	132.3	811.3
October 1999 .....	5,538.0	—	1,080.2	6,618.2	684.1	—	133.9	818.0
November 1998 .....	5,398.6	—	851.8	6,250.4	772.0	—	132.9	905.0
<b>Iowa</b>								
November 1999 .....	3,494.7	—	—	3,494.7	468.7	—	—	468.7
October 1999 .....	3,383.7	—	—	3,383.7	465.9	—	—	465.9
November 1998 .....	3,404.1	—	—	3,404.1	381.2	—	—	381.2
<b>Kansas</b>								
November 1999 .....	3,429.1	—	—	3,429.1	173.4	—	—	173.4
October 1999 .....	3,394.3	—	—	3,394.3	168.7	—	—	168.7
November 1998 .....	3,372.8	—	—	3,372.8	172.1	—	—	172.1
<b>Kentucky</b>								
November 1999 .....	3,248.6	—	1,076.1	4,324.7	373.5	—	178.6	552.1
October 1999 .....	3,235.0	—	1,114.3	4,349.3	374.2	—	195.1	569.3
November 1998 .....	2,970.2	—	975.7	3,945.9	439.7	—	200.5	640.2
<b>Michigan</b>								
November 1999 .....	10,728.8	—	—	10,728.8	830.5	—	—	830.5
October 1999 .....	11,053.2	—	—	11,053.2	873.7	—	—	873.7
November 1998 .....	10,142.2	—	—	10,142.2	1,029.0	—	—	1,029.0
<b>Minnesota</b>								
November 1999 .....	—	4,958.7	—	4,958.7	—	926.1	—	926.1
October 1999 .....	—	5,214.1	—	5,214.1	—	919.3	—	919.3
November 1998 .....	—	4,683.1	—	4,683.1	—	762.8	—	762.8
<b>Missouri</b>								
November 1999 .....	5,179.9	—	1,781.2	6,961.1	298.5	—	230.9	529.4
October 1999 .....	5,289.1	—	1,799.5	7,088.5	306.0	—	227.2	533.3
November 1998 .....	6,035.5	—	—	6,035.5	473.1	—	—	473.1

See footnotes at end of table.

**Table 48. Prime Supplier Sales Volumes of Motor Gasoline by Grade, Formulation, PAD District, and State**

(Thousand Gallons per Day) — Continued

Geographic Area Month	Premium				All Grades			
	Conventional	Oxygenated	Reformulated	Total	Conventional	Oxygenated	Reformulated	Total
<b>Subdistrict IC</b>								
November 1999 .....	10,874.2	—	1,272.7	12,146.8	56,341.6	—	5,726.9	62,068.5
October 1999 .....	10,600.2	—	1,272.7	11,872.9	55,973.0	—	5,802.0	61,775.0
November 1998 .....	11,887.5	—	1,385.4	13,272.9	53,698.0	—	5,536.7	59,234.7
<b>Florida</b>								
November 1999 .....	4,337.5	—	—	4,337.5	20,153.0	—	—	20,153.0
October 1999 .....	4,189.5	—	—	4,189.5	19,768.8	—	—	19,768.8
November 1998 .....	4,690.7	—	—	4,690.7	19,160.5	—	—	19,160.5
<b>Georgia</b>								
November 1999 .....	2,308.2	—	—	2,308.2	12,512.2	—	—	12,512.2
October 1999 .....	2,289.0	—	—	2,289.0	12,601.0	—	—	12,601.0
November 1998 .....	2,515.6	—	—	2,515.6	11,843.5	—	—	11,843.5
<b>North Carolina</b>								
November 1999 .....	2,131.2	—	—	2,131.2	11,253.6	—	—	11,253.6
October 1999 .....	2,046.5	—	—	2,046.5	11,018.1	—	—	11,018.1
November 1998 .....	2,395.4	—	—	2,395.4	10,988.6	—	—	10,988.6
<b>South Carolina</b>								
November 1999 .....	1,033.2	—	—	1,033.2	6,060.6	—	—	6,060.6
October 1999 .....	1,011.9	—	—	1,011.9	6,148.1	—	—	6,148.1
November 1998 .....	1,075.0	—	—	1,075.0	5,420.1	—	—	5,420.1
<b>Virginia</b>								
November 1999 .....	876.0	—	1,272.7	2,148.6	4,804.5	—	5,726.9	10,531.4
October 1999 .....	844.2	—	1,272.7	2,116.9	4,750.3	—	5,802.0	10,552.3
November 1998 .....	946.7	—	1,385.4	2,332.1	4,619.4	—	5,536.7	10,156.1
<b>West Virginia</b>								
November 1999 .....	188.1	—	—	188.1	1,557.7	—	—	1,557.7
October 1999 .....	219.1	—	—	219.1	1,686.6	—	—	1,686.6
November 1998 .....	264.2	—	—	264.2	1,665.8	—	—	1,665.8
<b>PAD District II</b>								
November 1999 .....	9,985.5	288.3	2,308.4	12,582.2	83,545.3	6,173.1	14,389.6	104,108.0
October 1999 .....	9,906.3	298.9	2,333.5	12,538.7	84,577.0	6,432.3	14,727.4	105,736.6
November 1998 .....	11,763.9	414.5	2,102.8	14,281.2	83,097.3	5,860.5	11,481.1	100,438.8
<b>Illinois</b>								
November 1999 .....	538.5	—	1,350.8	1,889.3	5,316.2	—	7,310.0	12,626.2
October 1999 .....	529.1	—	1,373.5	1,902.7	5,364.6	—	7,527.8	12,892.5
November 1998 .....	591.5	—	1,444.7	2,036.2	5,453.8	—	7,140.7	12,594.4
<b>Indiana</b>								
November 1999 .....	850.1	—	223.3	1,073.4	7,099.7	—	1,403.0	8,502.8
October 1999 .....	871.2	—	230.8	1,102.0	7,093.3	—	1,444.9	8,538.2
November 1998 .....	1,098.6	—	222.8	1,321.4	7,269.2	—	1,207.6	8,476.7
<b>Iowa</b>								
November 1999 .....	240.0	—	—	240.0	4,203.4	—	—	4,203.4
October 1999 .....	228.7	—	—	228.7	4,078.4	—	—	4,078.4
November 1998 .....	257.7	—	—	257.7	4,043.0	—	—	4,043.0
<b>Kansas</b>								
November 1999 .....	376.3	—	—	376.3	3,978.8	—	—	3,978.8
October 1999 .....	357.9	—	—	357.9	3,920.8	—	—	3,920.8
November 1998 .....	416.8	—	—	416.8	3,961.7	—	—	3,961.7
<b>Kentucky</b>								
November 1999 .....	671.1	—	217.3	888.3	4,293.2	—	1,472.0	5,765.2
October 1999 .....	665.5	—	214.4	879.9	4,274.6	—	1,523.8	5,798.4
November 1998 .....	802.9	—	224.2	1,027.1	4,212.8	—	1,400.4	5,613.2
<b>Michigan</b>								
November 1999 .....	1,508.1	—	—	1,508.1	13,067.4	—	—	13,067.4
October 1999 .....	1,560.1	—	—	1,560.1	13,486.9	—	—	13,486.9
November 1998 .....	1,721.7	—	—	1,721.7	12,893.0	—	—	12,893.0
<b>Minnesota</b>								
November 1999 .....	160.3	288.3	—	448.6	160.3	6,173.1	—	6,333.4
October 1999 .....	166.2	298.9	—	465.1	166.2	6,432.3	—	6,598.5
November 1998 .....	196.5	414.5	—	611.0	196.5	5,860.5	—	6,056.9
<b>Missouri</b>								
November 1999 .....	628.0	—	317.6	945.6	6,106.3	—	2,329.8	8,436.1
October 1999 .....	606.4	—	309.8	916.2	6,201.5	—	2,336.5	8,538.0
November 1998 .....	933.0	—	—	933.0	7,441.6	—	—	7,441.6

See footnotes at end of table.

**Table 48. Prime Supplier Sales Volumes of Motor Gasoline by Grade, Formulation, PAD District, and State**

(Thousand Gallons per Day) — Continued

Geographic Area Month	Regular				Midgrade			
	Conventional	Oxygenated	Reformulated	Total	Conventional	Oxygenated	Reformulated	Total
<b>Nebraska</b>								
November 1999 .....	1,954.7	—	—	1,954.7	179.8	—	—	179.8
October 1999 .....	2,072.4	—	—	2,072.4	144.5	—	—	144.5
November 1998 .....	1,910.1	—	—	1,910.1	102.3	—	—	102.3
<b>North Dakota</b>								
November 1999 .....	902.3	—	—	902.3	49.6	—	—	49.6
October 1999 .....	940.1	—	—	940.1	48.1	—	—	48.1
November 1998 .....	876.1	—	—	876.1	45.4	—	—	45.4
<b>Ohio</b>								
November 1999 .....	11,193.2	—	—	11,193.2	1,573.1	—	—	1,573.1
October 1999 .....	11,419.3	—	—	11,419.3	1,629.7	—	—	1,629.7
November 1998 .....	10,464.6	—	—	10,464.6	1,722.2	—	—	1,722.2
<b>Oklahoma</b>								
November 1999 .....	5,156.8	—	—	5,156.8	214.3	—	—	214.3
October 1999 .....	5,363.1	—	—	5,363.1	212.5	—	—	212.5
November 1998 .....	4,273.9	—	—	4,273.9	221.6	—	—	221.6
<b>South Dakota</b>								
November 1999 .....	960.2	—	—	960.2	61.0	—	—	61.0
October 1999 .....	1,006.5	—	—	1,006.5	63.0	—	—	63.0
November 1998 .....	947.8	—	—	947.8	50.1	—	—	50.1
<b>Tennessee</b>								
November 1999 .....	6,696.8	—	—	6,696.8	1,151.4	—	—	1,151.4
October 1999 .....	6,744.7	—	—	6,744.7	1,173.0	—	—	1,173.0
November 1998 .....	5,772.3	—	—	5,772.3	1,228.6	—	—	1,228.6
<b>Wisconsin</b>								
November 1999 .....	4,032.1	—	1,525.3	5,557.4	181.4	—	150.2	331.6
October 1999 .....	4,058.8	—	1,537.7	5,596.5	193.7	—	151.8	345.5
November 1998 .....	4,079.6	—	1,356.3	5,435.9	186.1	—	165.0	351.1
<b>PAD District III</b>								
November 1999 .....	29,550.2	856.1	8,890.4	39,296.7	3,552.0	70.3	1,631.1	5,253.4
October 1999 .....	29,544.9	612.6	9,165.7	39,323.3	3,481.8	39.0	1,643.8	5,164.6
November 1998 .....	28,117.6	931.0	8,089.4	37,138.0	3,946.5	92.9	1,658.8	5,698.2
<b>Alabama</b>								
November 1999 .....	4,257.8	—	—	4,257.8	713.0	—	—	713.0
October 1999 .....	4,141.3	—	—	4,141.3	698.0	—	—	698.0
November 1998 .....	3,970.5	—	—	3,970.5	756.9	—	—	756.9
<b>Arkansas</b>								
November 1999 .....	2,860.5	—	—	2,860.5	246.4	—	—	246.4
October 1999 .....	2,850.7	—	—	2,850.7	236.9	—	—	236.9
November 1998 .....	2,854.9	—	—	2,854.9	355.4	—	—	355.4
<b>Louisiana</b>								
November 1999 .....	4,305.9	—	—	4,305.9	673.6	—	—	673.6
October 1999 .....	4,176.9	—	—	4,176.9	668.5	—	—	668.5
November 1998 .....	W	—	W	3,778.3	737.6	—	—	737.6
<b>Mississippi</b>								
November 1999 .....	2,897.4	—	—	2,897.4	380.4	—	—	380.4
October 1999 .....	2,705.9	—	—	2,705.9	365.3	—	—	365.3
November 1998 .....	2,692.9	—	—	2,692.9	381.6	—	—	381.6
<b>New Mexico</b>								
November 1999 .....	1,457.0	433.4	—	1,890.4	112.2	45.1	—	157.3
October 1999 .....	1,786.7	204.2	—	1,990.9	136.7	22.4	—	159.1
November 1998 .....	W	W	—	1,904.1	131.3	60.7	—	192.0
<b>Texas</b>								
November 1999 .....	13,771.7	422.7	8,890.4	23,084.7	1,426.4	25.2	1,631.1	3,082.7
October 1999 .....	13,883.3	408.4	9,165.7	23,457.5	1,376.5	16.6	1,643.8	3,036.8
November 1998 .....	13,379.3	W	W	21,937.2	1,583.7	32.2	1,658.8	3,274.7
<b>PAD District IV</b>								
November 1999 .....	6,863.3	1,831.9	—	8,695.2	978.5	330.1	—	1,308.6
October 1999 .....	8,399.1	707.9	—	9,107.0	1,160.5	79.7	—	1,240.2
November 1998 .....	6,369.9	1,711.8	—	8,081.7	990.1	369.5	—	1,359.5
<b>Colorado</b>								
November 1999 .....	2,168.4	1,520.4	—	3,688.8	432.6	315.4	—	747.9
October 1999 .....	3,291.2	653.3	—	3,944.5	634.6	77.1	—	711.7
November 1998 .....	2,112.2	1,451.1	—	3,563.3	426.7	352.4	—	779.1

See footnotes at end of table.

**Table 48. Prime Supplier Sales Volumes of Motor Gasoline by Grade, Formulation, PAD District, and State**

(Thousand Gallons per Day) — Continued

Geographic Area Month	Premium				All Grades			
	Conventional	Oxygenated	Reformulated	Total	Conventional	Oxygenated	Reformulated	Total
<b>Nebraska</b>								
November 1999 .....	154.1	—	—	154.1	2,288.6	—	—	2,288.6
October 1999 .....	157.6	—	—	157.6	2,374.5	—	—	2,374.5
November 1998 .....	162.5	—	—	162.5	2,174.9	—	—	2,174.9
<b>North Dakota</b>								
November 1999 .....	45.6	—	—	45.6	997.5	—	—	997.5
October 1999 .....	45.7	—	—	45.7	1,034.0	—	—	1,034.0
November 1998 .....	63.7	—	—	63.7	985.2	—	—	985.2
<b>Ohio</b>								
November 1999 .....	1,580.0	—	—	1,580.0	14,346.3	—	—	14,346.3
October 1999 .....	1,648.8	—	—	1,648.8	14,697.8	—	—	14,697.8
November 1998 .....	1,959.9	—	—	1,959.9	14,146.6	—	—	14,146.6
<b>Oklahoma</b>								
November 1999 .....	891.0	—	—	891.0	6,262.1	—	—	6,262.1
October 1999 .....	759.8	—	—	759.8	6,335.4	—	—	6,335.4
November 1998 .....	944.7	—	—	944.7	5,440.2	—	—	5,440.2
<b>South Dakota</b>								
November 1999 .....	60.4	—	—	60.4	1,081.5	—	—	1,081.5
October 1999 .....	64.7	—	—	64.7	1,134.1	—	—	1,134.1
November 1998 .....	68.1	—	—	68.1	1,066.0	—	—	1,066.0
<b>Tennessee</b>								
November 1999 .....	1,844.3	—	—	1,844.3	9,692.5	—	—	9,692.5
October 1999 .....	1,819.9	—	—	1,819.9	9,737.6	—	—	9,737.6
November 1998 .....	2,039.9	—	—	2,039.9	9,040.8	—	—	9,040.8
<b>Wisconsin</b>								
November 1999 .....	437.8	—	199.4	637.2	4,651.3	—	1,874.9	6,526.2
October 1999 .....	424.6	—	204.9	629.5	4,677.1	—	1,894.3	6,571.5
November 1998 .....	506.5	—	211.1	717.6	4,772.1	—	1,732.4	6,504.6
<b>PAD District III</b>								
November 1999 .....	5,961.9	147.7	2,384.8	8,494.4	39,064.1	1,074.2	12,906.3	53,044.5
October 1999 .....	5,657.7	104.4	2,223.3	7,985.4	38,684.4	756.0	13,032.8	52,473.2
November 1998 .....	6,761.8	179.0	2,367.2	9,308.0	38,826.0	1,202.8	12,115.4	52,144.2
<b>Alabama</b>								
November 1999 .....	1,131.1	—	—	1,131.1	6,101.9	—	—	6,101.9
October 1999 .....	1,081.3	—	—	1,081.3	5,920.5	—	—	5,920.5
November 1998 .....	1,314.5	—	—	1,314.5	6,042.0	—	—	6,042.0
<b>Arkansas</b>								
November 1999 .....	523.2	—	—	523.2	3,630.1	—	—	3,630.1
October 1999 .....	517.6	—	—	517.6	3,605.2	—	—	3,605.2
November 1998 .....	694.4	—	—	694.4	3,904.6	—	—	3,904.6
<b>Louisiana</b>								
November 1999 .....	1,149.7	—	—	1,149.7	6,129.2	—	—	6,129.2
October 1999 .....	1,046.7	—	—	1,046.7	5,892.1	—	—	5,892.1
November 1998 .....	1,260.4	—	—	1,260.4	W	—	W	5,776.4
<b>Mississippi</b>								
November 1999 .....	687.6	—	—	687.6	3,965.4	—	—	3,965.4
October 1999 .....	635.7	—	—	635.7	3,706.9	—	—	3,706.9
November 1998 .....	797.4	—	—	797.4	3,871.9	—	—	3,871.9
<b>New Mexico</b>								
November 1999 .....	205.1	84.0	—	289.1	1,774.3	562.5	—	2,336.8
October 1999 .....	257.6	41.6	—	299.2	2,181.0	268.3	—	2,449.3
November 1998 .....	247.4	96.0	—	343.5	W	W	—	2,439.5
<b>Texas</b>								
November 1999 .....	2,265.2	63.8	2,384.8	4,713.7	17,463.2	511.6	12,906.3	30,881.1
October 1999 .....	2,118.8	62.7	2,223.3	4,404.9	17,378.6	487.7	13,032.8	30,899.2
November 1998 .....	2,447.7	82.9	2,367.2	4,897.9	17,410.6	W	W	30,109.8
<b>PAD District IV</b>								
November 1999 .....	1,343.8	447.7	—	1,791.5	9,185.6	2,609.7	—	11,795.3
October 1999 .....	1,631.9	146.5	—	1,778.5	11,191.5	934.2	—	12,125.7
November 1998 .....	1,427.9	462.7	—	1,890.6	8,787.8	2,544.0	—	11,331.8
<b>Colorado</b>								
November 1999 .....	418.9	378.2	—	797.1	3,019.9	2,214.0	—	5,233.8
October 1999 .....	662.9	132.7	—	795.6	4,588.7	863.1	—	5,451.8
November 1998 .....	446.0	390.5	—	836.5	2,984.9	2,194.0	—	5,178.9

See footnotes at end of table.

**Table 48. Prime Supplier Sales Volumes of Motor Gasoline by Grade, Formulation, PAD District, and State**

(Thousand Gallons per Day) — Continued

Geographic Area Month	Regular				Midgrade			
	Conventional	Oxygenated	Reformulated	Total	Conventional	Oxygenated	Reformulated	Total
<b>Idaho</b>								
November 1999 .....	1,192.0	—	—	1,192.0	104.1	—	—	104.1
October 1999 .....	1,211.6	—	—	1,211.6	97.4	—	—	97.4
November 1998 .....	1,133.5	—	—	1,133.5	126.4	—	—	126.4
<b>Montana</b>								
November 1999 .....	W	W	—	1,143.5	56.6	—	—	56.6
October 1999 .....	1,191.9	12.5	—	1,204.5	36.8	—	—	36.8
November 1998 .....	910.7	59.8	—	970.4	53.0	—	—	53.0
<b>Utah</b>								
November 1999 .....	W	W	—	2,048.1	374.9	14.8	—	389.6
October 1999 .....	2,003.0	42.1	—	2,045.1	380.4	2.6	—	383.0
November 1998 .....	1,633.6	201.0	—	1,834.5	372.8	17.1	—	389.9
<b>Wyoming</b>								
November 1999 .....	622.8	—	—	622.8	10.3	—	—	10.3
October 1999 .....	701.4	—	—	701.4	11.4	—	—	11.4
November 1998 .....	579.9	—	—	579.9	11.2	—	—	11.2
<b>PAD District V</b>								
November 1999 .....	8,463.7	5,932.8	29,297.0	43,693.5	978.3	699.8	5,065.2	6,743.2
October 1999 .....	9,609.1	4,936.2	29,955.8	44,501.0	1,063.1	567.0	5,062.0	6,692.1
November 1998 .....	10,541.2	5,362.6	27,869.1	43,772.9	1,190.1	740.2	5,628.6	7,558.9
<b>Alaska</b>								
November 1999 .....	NA	114.8	—	NA	W	W	—	26.1
October 1999 .....	W	W	—	623.8	W	W	—	27.9
November 1998 .....	W	W	—	565.8	W	W	—	29.8
<b>Arizona</b>								
November 1999 .....	936.9	1,474.7	NA	4,335.0	W	W	W	543.1
October 1999 .....	W	1,027.0	W	4,269.7	W	122.5	W	552.9
November 1998 .....	W	2,104.6	W	4,511.6	W	280.4	W	592.1
<b>California</b>								
November 1999 .....	W	—	W	27,458.3	W	—	W	4,775.1
October 1999 .....	W	—	W	27,714.1	W	—	W	4,717.5
November 1998 .....	149.7	—	26,809.7	26,959.5	W	—	W	5,443.8
<b>Hawaii</b>								
November 1999 .....	504.8	—	—	504.8	104.3	—	—	104.3
October 1999 .....	524.6	—	—	524.6	104.3	—	—	104.3
November 1998 .....	579.6	—	—	579.6	117.0	—	—	117.0
<b>Nevada</b>								
November 1999 .....	W	931.9	W	1,727.7	W	W	—	232.9
October 1999 .....	W	W	—	1,917.8	W	W	—	220.1
November 1998 .....	W	W	—	1,804.8	W	W	—	266.7
<b>Oregon</b>								
November 1999 .....	1,742.4	1,335.7	—	3,078.1	128.8	117.4	—	246.2
October 1999 .....	2,349.0	850.3	—	3,199.3	162.8	84.2	—	247.0
November 1998 .....	2,176.4	W	W	3,576.8	157.2	131.2	—	288.4
<b>Washington</b>								
November 1999 .....	3,947.3	2,075.8	—	6,023.1	592.8	NA	—	815.5
October 1999 .....	4,260.9	1,990.7	—	6,251.6	626.8	195.7	—	822.5
November 1998 .....	5,000.1	774.7	—	5,774.8	719.8	101.4	—	821.2

See footnotes at end of table.



**Table 48. Prime Supplier Sales Volumes of Motor Gasoline by Grade, Formulation, PAD District, and State**

(Thousand Gallons per Day) — Continued

Geographic Area Month	Premium				All Grades			
	Conventional	Oxygenated	Reformulated	Total	Conventional	Oxygenated	Reformulated	Total
<b>Idaho</b>								
November 1999 .....	156.4	—	—	156.4	1,452.6	—	—	1,452.6
October 1999 .....	153.6	—	—	153.6	1,462.6	—	—	1,462.6
November 1998 .....	178.6	—	—	178.6	1,438.5	—	—	1,438.5
<b>Montana</b>								
November 1999 .....	W	W	—	234.2	W	W	—	1,434.2
October 1999 .....	227.9	5.1	—	233.0	1,456.6	17.6	—	1,474.3
November 1998 .....	221.6	15.8	—	237.4	1,185.2	75.6	—	1,260.8
<b>Utah</b>								
November 1999 .....	W	W	—	477.2	W	W	—	2,914.9
October 1999 .....	447.6	8.7	—	456.3	2,831.0	53.4	—	2,884.4
November 1998 .....	446.3	56.3	—	502.6	2,452.6	274.4	—	2,727.0
<b>Wyoming</b>								
November 1999 .....	126.6	—	—	126.6	759.7	—	—	759.7
October 1999 .....	139.8	—	—	139.8	852.6	—	—	852.6
November 1998 .....	135.5	—	—	135.5	726.6	—	—	726.6
<b>PAD District V</b>								
November 1999 .....	1,613.6	958.8	6,751.3	9,323.7	11,055.5	7,591.4	41,113.5	59,760.4
October 1999 .....	1,745.3	767.5	6,592.8	9,105.6	12,417.5	6,270.6	41,610.6	60,298.7
November 1998 .....	1,858.4	1,155.7	7,343.4	10,357.5	13,589.7	7,258.5	40,841.1	61,689.3
<b>Alaska</b>								
November 1999 .....	W	W	—	NA	NA	146.6	—	NA
October 1999 .....	62.7	16.9	—	79.6	W	W	—	731.4
November 1998 .....	W	W	—	87.2	W	W	—	682.8
<b>Arizona</b>								
November 1999 .....	W	W	W	750.5	1,143.1	1,858.4	NA	5,628.6
October 1999 .....	W	162.1	W	739.9	W	1,311.6	W	5,562.5
November 1998 .....	W	454.6	W	868.3	W	2,839.6	W	5,971.9
<b>California</b>								
November 1999 .....	W	—	W	6,363.5	W	—	W	38,596.8
October 1999 .....	W	—	W	6,157.3	W	—	W	38,588.9
November 1998 .....	W	—	W	7,152.6	210.2	—	39,345.7	39,555.9
<b>Hawaii</b>								
November 1999 .....	241.3	—	—	241.3	850.4	—	—	850.4
October 1999 .....	241.0	—	—	241.0	869.9	—	—	869.9
November 1998 .....	246.8	—	—	246.8	943.4	—	—	943.4
<b>Nevada</b>								
November 1999 .....	W	W	W	348.9	W	1,315.6	W	2,309.5
October 1999 .....	168.3	211.3	—	379.6	W	W	—	2,517.5
November 1998 .....	115.1	299.0	—	414.1	W	W	—	2,485.6
<b>Oregon</b>								
November 1999 .....	231.7	192.1	—	423.8	2,102.8	1,645.3	—	3,748.1
October 1999 .....	302.4	113.8	—	416.2	2,814.2	1,048.3	—	3,862.5
November 1998 .....	250.0	W	W	454.2	2,583.6	W	W	4,319.3
<b>Washington</b>								
November 1999 .....	793.6	NA	—	1,120.7	5,333.6	2,625.6	—	7,959.2
October 1999 .....	828.5	NA	—	1,091.8	5,716.2	2,449.7	—	8,166.0
November 1998 .....	963.6	170.8	—	1,134.3	6,683.4	1,046.9	—	7,730.3

Dash (—) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

Notes: Values shown for the current month are preliminary. Values shown for previous months are revised. Data are final upon publication in the *Petroleum Marketing Annual*. Totals may not equal the sum of the components due to rounding.

Source: Energy Information Administration, Form EIA-782C, "Monthly Report of Prime Supplier Sales of Petroleum Products Sold for Local Consumption."

**Table 49. Prime Supplier Sales Volumes of Aviation Fuels, Propane, and Residual Fuel Oil by PAD District and State**

(Thousand Gallons per Day)

Geographic Area Month	Aviation Gasoline	Naphtha- Type Jet Fuel	Kerosene- Type Jet Fuel	Propane (Consumer Grade)	Residual Fuel Oil		
					Sulfur Less Than or Equal to 1 Percent	Sulfur Greater Than 1 Percent	Total Residual Fuel Oil
United States							
November 1999 .....	720.1	206.8	63,790.9	40,132.9	7,397.6	19,963.8	27,361.4
October 1999 .....	817.2	219.3	62,245.0	36,571.9	7,601.9	15,932.0	23,533.9
November 1998 .....	647.0	446.7	60,199.6	39,283.7	8,878.0	20,553.5	29,431.5
PAD District I							
November 1999 .....	188.3	W	14,647.0	6,476.8	5,495.8	9,254.7	14,750.5
October 1999 .....	188.2	W	13,680.1	5,947.1	5,252.0	6,677.2	11,929.2
November 1998 .....	176.1	W	15,718.9	6,672.9	6,717.8	9,609.7	16,327.5
Subdistrict IA							
November 1999 .....	22.4	—	NA	591.8	W	W	2,342.4
October 1999 .....	23.5	—	1,598.4	448.4	W	W	1,439.3
November 1998 .....	17.9	—	1,387.7	466.3	817.3	1,905.3	2,722.6
Connecticut							
November 1999 .....	3.3	—	290.4	75.1	W	—	W
October 1999 .....	3.9	—	319.9	68.4	W	—	W
November 1998 .....	2.7	—	NA	73.3	96.6	—	96.6
Maine							
November 1999 .....	2.2	—	86.6	114.8	W	W	1,123.6
October 1999 .....	3.1	—	103.7	64.6	W	W	W
November 1998 .....	W	—	83.3	66.3	W	W	980.5
Massachusetts							
November 1999 .....	8.9	—	NA	89.8	43.8	NA	NA
October 1999 .....	9.0	—	NA	79.8	39.2	716.1	755.3
November 1998 .....	6.4	—	900.1	79.7	145.2	990.0	1,135.2
New Hampshire							
November 1999 .....	2.5	—	92.1	148.1	W	W	NA
October 1999 .....	1.9	—	84.6	121.7	W	W	NA
November 1998 .....	NA	—	75.1	122.6	W	W	368.7
Rhode Island							
November 1999 .....	W	—	106.3	38.8	W	—	W
October 1999 .....	W	—	111.5	25.9	40.4	—	40.4
November 1998 .....	W	—	90.2	30.5	W	W	101.4
Vermont							
November 1999 .....	W	—	11.4	125.1	W	W	40.8
October 1999 .....	W	—	16.7	88.0	W	W	30.0
November 1998 .....	W	—	10.6	93.8	W	W	40.2
Subdistrict IB							
November 1999 .....	40.1	W	6,769.7	2,356.1	NA	NA	NA
October 1999 .....	46.5	W	6,385.0	2,069.2	3,061.6	2,810.7	5,872.3
November 1998 .....	42.1	W	8,019.7	2,449.9	4,208.6	3,815.6	8,024.2
Delaware							
November 1999 .....	1.4	—	15.4	W	NA	NA	NA
October 1999 .....	1.6	—	13.8	W	NA	160.2	NA
November 1998 .....	1.1	—	W	243.8	W	W	W
District of Columbia							
November 1999 .....	—	—	—	W	—	—	—
October 1999 .....	—	—	—	W	—	—	—
November 1998 .....	—	—	W	—	W	—	W
Maryland							
November 1999 .....	4.8	—	483.5	161.3	W	W	650.1
October 1999 .....	4.9	—	327.4	158.8	W	W	657.8
November 1998 .....	W	—	401.7	153.0	511.0	428.8	939.8
New Jersey							
November 1999 .....	10.4	—	3,588.0	619.3	434.7	NA	NA
October 1999 .....	11.4	—	3,402.5	497.5	W	W	869.4
November 1998 .....	W	—	3,912.1	436.1	806.6	449.8	1,256.4
New York							
November 1999 .....	9.0	—	1,001.7	578.0	W	W	3,399.1
October 1999 .....	12.0	—	972.0	523.9	1,160.5	1,338.2	2,498.6
November 1998 .....	7.3	—	1,866.5	601.0	1,945.0	1,887.2	3,832.1
Pennsylvania							
November 1999 .....	14.6	W	1,681.2	851.5	NA	810.2	NA
October 1999 .....	16.7	W	1,669.4	843.0	NA	641.3	1,220.5
November 1998 .....	11.5	W	1,773.0	1,016.0	W	W	1,109.0

See footnotes at end of table.

**Table 49. Prime Supplier Sales Volumes of Aviation Fuels, Propane, and Residual Fuel Oil by PAD District and State**

(Thousand Gallons per Day) — Continued

Geographic Area Month	Aviation Gasoline	Naphtha- Type Jet Fuel	Kerosene- Type Jet Fuel	Propane (Consumer Grade)	Residual Fuel Oil		
					Sulfur Less Than or Equal to 1 Percent	Sulfur Greater Than 1 Percent	Total Residual Fuel Oil
<b>Subdistrict IC</b>							
November 1999 .....	125.8	W	6,247.1	3,528.9	W	W	5,408.1
October 1999 .....	118.1	W	5,696.7	3,429.6	W	W	4,617.6
November 1998 .....	116.2	W	6,311.5	3,756.7	1,691.9	3,888.9	5,580.7
<b>Florida</b>							
November 1999 .....	65.1	—	3,014.9	708.6	1,725.5	1,859.6	3,585.1
October 1999 .....	56.6	—	2,505.5	630.3	1,740.2	1,476.9	3,217.1
November 1998 .....	66.5	—	2,558.8	765.4	1,553.2	2,360.2	3,913.4
<b>Georgia</b>							
November 1999 .....	19.0	W	1,447.0	688.5	—	280.8	280.8
October 1999 .....	18.1	W	1,323.8	678.4	—	254.6	254.6
November 1998 .....	17.2	W	1,834.3	788.4	—	141.4	141.4
<b>North Carolina</b>							
November 1999 .....	NA	—	661.0	1,049.8	W	W	620.1
October 1999 .....	NA	—	650.7	1,162.8	W	W	540.2
November 1998 .....	15.2	—	685.8	1,167.9	W	W	680.0
<b>South Carolina</b>							
November 1999 .....	8.3	—	156.4	360.7	W	W	W
October 1999 .....	7.5	—	190.0	338.6	W	W	W
November 1998 .....	8.0	—	129.2	377.5	W	W	W
<b>Virginia</b>							
November 1999 .....	9.1	—	951.2	554.3	16.3	686.4	702.6
October 1999 .....	11.3	—	1,006.4	489.2	24.3	336.4	360.6
November 1998 .....	6.9	—	1,088.0	540.1	W	W	519.2
<b>West Virginia</b>							
November 1999 .....	2.1	—	16.5	167.1	W	—	W
October 1999 .....	3.5	—	20.4	130.2	W	—	W
November 1998 .....	2.3	—	15.4	117.3	W	—	W
<b>PAD District II</b>							
November 1999 .....	205.5	W	12,517.1	11,000.0	W	W	578.7
October 1999 .....	249.3	W	11,425.8	11,626.9	NA	409.5	500.5
November 1998 .....	185.4	W	10,532.9	13,525.1	W	W	510.6
<b>Illinois</b>							
November 1999 .....	17.4	—	1,829.3	1,012.0	—	W	W
October 1999 .....	20.1	—	1,597.1	1,197.8	—	W	W
November 1998 .....	11.6	—	1,450.4	1,450.7	W	W	44.6
<b>Indiana</b>							
November 1999 .....	13.5	—	1,315.4	558.9	W	—	W
October 1999 .....	14.7	—	1,139.8	565.0	NA	—	NA
November 1998 .....	10.9	—	1,023.9	766.3	W	W	47.2
<b>Iowa</b>							
November 1999 .....	9.4	—	88.7	1,336.7	—	W	W
October 1999 .....	9.5	—	82.3	1,210.2	—	W	W
November 1998 .....	11.5	—	120.2	1,224.1	—	W	W
<b>Kansas</b>							
November 1999 .....	13.6	—	341.1	1,609.4	—	W	W
October 1999 .....	53.7	—	NA	1,347.4	—	W	W
November 1998 .....	10.7	—	199.2	2,552.5	—	W	W
<b>Kentucky</b>							
November 1999 .....	5.1	W	743.9	413.7	W	—	W
October 1999 .....	4.1	W	796.7	471.6	W	—	W
November 1998 .....	4.2	W	688.7	433.9	W	W	W
<b>Michigan</b>							
November 1999 .....	19.9	—	859.6	1,258.5	—	21.8	21.8
October 1999 .....	18.1	—	877.0	974.1	—	57.2	57.2
November 1998 .....	23.4	—	943.8	1,190.1	—	73.3	73.3
<b>Minnesota</b>							
November 1999 .....	12.3	—	1,328.2	954.7	W	W	153.0
October 1999 .....	15.3	—	1,148.1	1,679.4	—	141.1	141.1
November 1998 .....	20.7	—	1,125.8	1,218.2	W	W	134.5
<b>Missouri</b>							
November 1999 .....	13.5	—	1,346.6	818.0	—	—	—
October 1999 .....	12.5	—	1,295.1	907.2	—	—	—
November 1998 .....	13.6	—	1,368.7	1,099.3	—	W	W

See footnotes at end of table.

**Table 49. Prime Supplier Sales Volumes of Aviation Fuels, Propane, and Residual Fuel Oil by PAD District and State**

(Thousand Gallons per Day) — Continued

Geographic Area Month	Aviation Gasoline	Naphtha- Type Jet Fuel	Kerosene- Type Jet Fuel	Propane (Consumer Grade)	Residual Fuel Oil		
					Sulfur Less Than or Equal to 1 Percent	Sulfur Greater Than 1 Percent	Total Residual Fuel Oil
<b>Nebraska</b>							
November 1999 .....	W	—	125.0	255.3	—	W	W
October 1999 .....	W	—	150.0	401.4	—	W	W
November 1998 .....	W	—	105.6	371.8	—	W	W
<b>North Dakota</b>							
November 1999 .....	3.4	—	73.9	249.1	—	—	—
October 1999 .....	4.5	—	26.5	298.0	—	—	—
November 1998 .....	W	—	21.4	261.0	W	—	W
<b>Ohio</b>							
November 1999 .....	NA	—	NA	791.9	W	W	86.1
October 1999 .....	NA	—	1,706.3	766.0	W	W	61.0
November 1998 .....	34.9	W	1,436.8	905.5	W	W	21.3
<b>Oklahoma</b>							
November 1999 .....	14.1	—	783.7	401.1	—	—	—
October 1999 .....	11.9	—	686.9	400.6	—	—	—
November 1998 .....	9.0	—	614.8	551.9	—	—	—
<b>South Dakota</b>							
November 1999 .....	W	—	104.8	170.0	—	W	W
October 1999 .....	W	—	55.8	327.5	—	—	—
November 1998 .....	5.0	—	111.4	328.8	—	W	W
<b>Tennessee</b>							
November 1999 .....	NA	W	1,232.3	380.5	W	W	9.7
October 1999 .....	NA	W	1,200.5	342.0	W	W	4.8
November 1998 .....	17.0	—	1,132.9	350.6	W	W	29.6
<b>Wisconsin</b>							
November 1999 .....	11.1	—	363.7	790.1	—	W	W
October 1999 .....	13.0	—	343.5	738.9	W	W	W
November 1998 .....	W	—	189.4	820.4	W	W	W
<b>PAD District III</b>							
November 1999 .....	133.2	W	16,407.7	18,577.5	W	W	NA
October 1999 .....	145.3	W	17,774.1	15,655.3	W	W	5,281.4
November 1998 .....	107.5	W	15,601.9	14,855.3	509.3	6,711.3	7,220.6
<b>Alabama</b>							
November 1999 .....	11.6	W	236.3	352.7	W	W	199.8
October 1999 .....	12.3	W	NA	334.1	W	90.9	W
November 1998 .....	8.8	W	354.8	451.2	W	W	268.2
<b>Arkansas</b>							
November 1999 .....	W	—	187.7	329.5	—	W	W
October 1999 .....	8.0	—	178.4	393.5	—	—	—
November 1998 .....	7.9	—	165.1	422.5	—	—	—
<b>Louisiana</b>							
November 1999 .....	9.1	—	3,663.6	2,364.0	W	W	NA
October 1999 .....	8.8	—	3,559.6	1,880.5	—	2,299.2	2,299.2
November 1998 .....	10.3	—	2,597.9	1,609.1	—	4,110.6	4,110.6
<b>Mississippi</b>							
November 1999 .....	8.1	W	1,331.6	829.2	W	W	299.6
October 1999 .....	W	W	1,069.5	668.5	W	W	645.1
November 1998 .....	4.6	W	888.8	685.3	W	W	W
<b>New Mexico</b>							
November 1999 .....	W	—	270.5	296.9	W	—	W
October 1999 .....	W	—	285.0	266.8	W	—	W
November 1998 .....	11.7	—	271.8	296.7	W	—	W
<b>Texas</b>							
November 1999 .....	85.5	—	10,717.9	14,405.2	W	W	NA
October 1999 .....	96.5	—	12,130.4	12,111.9	—	2,244.8	2,244.8
November 1998 .....	64.3	—	11,323.5	11,390.6	168.1	2,326.8	2,494.9
<b>PAD District IV</b>							
November 1999 .....	36.6	—	1,731.3	1,140.3	W	W	38.3
October 1999 .....	33.9	—	1,540.1	1,013.5	W	W	22.8
November 1998 .....	23.0	—	1,407.3	1,125.7	W	W	23.7
<b>Colorado</b>							
November 1999 .....	17.6	—	838.6	453.1	—	—	—
October 1999 .....	16.2	—	525.3	402.9	—	—	—
November 1998 .....	10.6	—	650.8	433.6	—	—	—

See footnotes at end of table.

**Table 49. Prime Supplier Sales Volumes of Aviation Fuels, Propane, and Residual Fuel Oil by PAD District and State**

(Thousand Gallons per Day) — Continued

Geographic Area Month	Aviation Gasoline	Naphtha- Type Jet Fuel	Kerosene- Type Jet Fuel	Propane (Consumer Grade)	Residual Fuel Oil		
					Sulfur Less Than or Equal to 1 Percent	Sulfur Greater Than 1 Percent	Total Residual Fuel Oil
<b>Idaho</b>							
November 1999 .....	W	—	74.5	86.1	—	—	—
October 1999 .....	4.4	—	77.3	74.7	—	—	—
November 1998 .....	2.9	—	54.4	83.1	—	—	—
<b>Montana</b>							
November 1999 .....	W	—	63.2	211.7	—	W	W
October 1999 .....	NA	—	99.9	170.9	—	W	W
November 1998 .....	W	—	71.0	189.2	—	W	W
<b>Utah</b>							
November 1999 .....	6.8	—	730.9	126.5	W	—	W
October 1999 .....	6.1	—	804.8	99.5	W	—	W
November 1998 .....	5.7	—	622.8	120.5	—	W	W
<b>Wyoming</b>							
November 1999 .....	2.5	—	24.2	262.8	W	W	W
October 1999 .....	2.5	—	32.9	265.6	W	W	W
November 1998 .....	W	—	8.4	299.3	W	W	W
<b>PAD District V</b>							
November 1999 .....	156.5	5.8	18,487.8	2,938.3	1,448.6	NA	7,142.7
October 1999 .....	200.5	W	17,824.9	2,329.1	1,668.2	4,131.8	5,800.0
November 1998 .....	155.0	13.5	16,938.5	3,104.7	1,573.6	3,775.5	5,349.1
<b>Alaska</b>							
November 1999 .....	32.8	W	2,645.6	W	—	—	—
October 1999 .....	45.9	W	2,568.0	W	—	—	—
November 1998 .....	32.9	W	2,404.3	W	—	W	W
<b>Arizona</b>							
November 1999 .....	19.6	—	1,015.9	201.8	W	—	W
October 1999 .....	18.2	—	840.7	177.9	W	—	W
November 1998 .....	17.5	—	899.6	238.3	W	—	W
<b>California</b>							
November 1999 .....	72.7	W	9,973.1	1,830.0	W	W	3,454.0
October 1999 .....	96.7	—	10,083.2	1,427.9	W	W	2,587.2
November 1998 .....	67.0	W	9,673.1	1,851.2	397.0	1,633.0	2,030.0
<b>Hawaii</b>							
November 1999 .....	W	—	NA	W	W	W	W
October 1999 .....	W	—	NA	W	W	W	W
November 1998 .....	W	—	1,032.0	W	W	W	W
<b>Nevada</b>							
November 1999 .....	9.3	—	776.8	181.4	W	—	W
October 1999 .....	W	—	774.8	115.4	—	—	—
November 1998 .....	11.0	—	631.8	202.6	W	—	W
<b>Oregon</b>							
November 1999 .....	W	—	630.6	168.6	—	NA	NA
October 1999 .....	14.5	—	586.4	179.2	—	416.5	416.5
November 1998 .....	W	—	598.1	150.6	W	W	295.2
<b>Washington</b>							
November 1999 .....	9.3	—	2,630.8	463.5	W	W	NA
October 1999 .....	12.0	—	2,182.9	351.9	—	1,312.3	1,312.3
November 1998 .....	NA	—	1,699.6	566.4	—	1,640.4	1,640.4

Dash (—) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

Notes: Values shown for the current month are preliminary. Values shown for previous months are revised. Data are final upon publication in the *Petroleum Marketing Annual*. Totals may not equal the sum of the components due to rounding.

Source: Energy Information Administration, Form EIA-782C, "Monthly Report of Prime Supplier Sales of Petroleum Products Sold for Local Consumption."

**Table 50. Prime Supplier Sales Volumes of Distillate Fuel Oils and Kerosene  
by PAD District and State**

(Thousand Gallons per Day)

Geographic Area Month	Kerosene	No. 1 Distillate	No. 2 Distillate					No. 4 Fuel <sup>a</sup>	Total Distillate and Kerosene	
			No. 2 Fuel Oil	No. 2 Diesel Fuel			No. 2 Distillate			
				Low-Sulfur	High-Sulfur	Total				
United States										
November 1999 .....	2,011.0	2,933.3	30,429.0	98,221.1	20,977.9	119,199.0	149,628.0	647.3	155,219.6	
October 1999 .....	1,923.2	1,879.4	25,850.8	103,821.5	21,046.7	124,868.2	150,719.0	448.6	154,970.3	
November 1998 .....	3,230.7	3,231.8	30,257.7	91,110.1	19,854.1	110,964.3	141,221.9	815.6	148,500.0	
PAD District I										
November 1999 .....	1,491.6	237.7	20,840.8	27,353.7	4,049.9	31,403.6	52,244.5	529.7	54,503.6	
October 1999 .....	1,274.3	202.5	16,927.2	27,024.1	3,732.5	30,756.6	47,683.7	346.3	49,506.9	
November 1998 .....	1,598.3	325.4	21,732.5	26,479.9	4,272.4	30,752.3	52,484.7	703.0	55,111.5	
Subdistrict IA										
November 1999 .....	392.9	W	4,782.5	2,407.1	198.2	2,605.3	7,387.8	W	7,864.8	
October 1999 .....	308.6	W	3,612.4	2,297.3	142.8	2,440.1	6,052.5	W	6,418.2	
November 1998 .....	280.2	6.7	6,153.0	2,492.8	603.0	3,095.9	9,248.8	180.7	9,716.4	
Connecticut										
November 1999 .....	W	—	1,200.3	W	W	503.6	1,704.0	W	1,783.7	
October 1999 .....	W	—	850.2	W	W	546.1	1,396.2	W	1,465.6	
November 1998 .....	43.4	1.6	1,400.4	W	W	787.9	2,188.3	37.5	2,270.8	
Maine										
November 1999 .....	W	—	713.3	480.8	70.2	551.0	1,264.2	W	1,414.4	
October 1999 .....	W	—	673.9	456.4	25.9	482.3	1,156.2	W	1,275.9	
November 1998 .....	108.7	W	1,025.7	444.9	29.3	474.2	1,499.9	W	1,623.4	
Massachusetts										
November 1999 .....	24.5	W	1,267.6	W	W	790.6	2,058.2	W	2,106.0	
October 1999 .....	8.9	—	933.3	W	W	742.4	1,675.7	18.9	1,703.5	
November 1998 .....	39.6	2.6	2,044.7	838.9	314.6	1,153.5	3,198.1	92.7	3,333.0	
New Hampshire										
November 1999 .....	W	—	785.6	W	W	367.3	1,152.9	W	1,278.1	
October 1999 .....	W	—	522.5	W	W	303.1	825.5	W	918.5	
November 1998 .....	65.8	W	731.4	301.4	9.8	311.3	1,042.7	W	1,124.1	
Rhode Island										
November 1999 .....	10.8	W	445.0	W	W	235.3	680.3	W	710.2	
October 1999 .....	W	W	349.7	W	W	199.6	549.3	W	569.8	
November 1998 .....	W	W	736.6	W	W	277.3	1,014.0	11.3	1,033.9	
Vermont										
November 1999 .....	34.1	—	370.6	142.9	14.7	157.6	528.2	10.1	572.4	
October 1999 .....	28.0	—	282.9	152.5	14.2	166.7	449.6	7.3	484.9	
November 1998 .....	W	W	214.1	82.5	9.2	91.7	305.9	9.9	331.2	
Subdistrict IB										
November 1999 .....	611.5	185.1	12,531.5	9,840.1	860.6	10,700.7	23,232.2	422.9	24,451.8	
October 1999 .....	497.0	148.2	9,984.7	9,806.3	671.7	10,478.0	20,462.7	280.1	21,388.0	
November 1998 .....	774.9	221.6	12,079.8	9,180.8	672.2	9,853.0	21,932.8	504.8	23,434.1	
Delaware										
November 1999 .....	16.5	W	145.7	W	W	268.9	414.6	W	433.2	
October 1999 .....	W	—	W	281.4	W	W	414.0	W	426.1	
November 1998 .....	W	—	229.0	246.4	6.0	252.3	481.3	W	497.0	
District of Columbia										
November 1999 .....	W	—	62.0	W	W	15.8	77.8	W	99.0	
October 1999 .....	W	—	W	14.5	W	W	33.8	W	55.8	
November 1998 .....	—	—	77.2	19.0	W	W	W	W	100.8	
Maryland										
November 1999 .....	W	4.1	1,752.1	939.1	78.6	1,017.7	2,769.8	W	2,862.8	
October 1999 .....	55.2	2.7	606.8	815.4	68.2	883.6	1,490.5	4.3	1,552.6	
November 1998 .....	76.3	W	711.6	813.4	95.4	908.8	1,620.4	W	1,705.3	
New Jersey										
November 1999 .....	61.3	W	3,605.4	2,712.6	492.0	3,204.6	6,810.0	W	6,912.6	
October 1999 .....	76.3	W	3,363.1	2,570.1	277.1	2,847.2	6,210.3	W	6,321.1	
November 1998 .....	W	W	3,847.5	2,531.5	299.7	2,831.2	6,678.7	81.7	6,968.3	
New York										
November 1999 .....	W	W	3,884.1	2,011.7	132.5	2,144.2	6,028.3	347.9	6,834.1	
October 1999 .....	W	W	2,987.5	2,039.9	177.1	2,217.0	5,204.5	228.7	5,764.6	
November 1998 .....	283.0	W	3,983.6	1,823.6	W	W	W	406.7	6,808.4	
Pennsylvania										
November 1999 .....	134.4	W	3,082.2	3,909.5	140.0	4,049.5	7,131.8	W	7,310.0	
October 1999 .....	135.1	W	2,893.2	4,085.0	131.5	4,216.5	7,109.7	W	7,267.8	
November 1998 .....	230.9	W	3,230.9	3,746.8	110.5	3,857.3	7,088.2	W	7,354.2	

See footnotes at end of table.

**Table 50. Prime Supplier Sales Volumes of Distillate Fuel Oils and Kerosene by PAD District and State**

(Thousand Gallons per Day) — Continued

Geographic Area Month	Kerosene	No. 1 Distillate	No. 2 Distillate					No. 4 Fuel <sup>a</sup>	Total Distillate and Kerosene	
			No. 2 Fuel Oil	No. 2 Diesel Fuel			No. 2 Distillate			
				Low-Sulfur	High-Sulfur	Total				
Subdistrict IC										
November 1999 .....	487.2	W	3,526.9	15,106.5	2,991.1	18,097.6	21,624.5	W	22,187.0	
October 1999 .....	468.7	W	3,330.1	14,920.5	2,918.0	17,838.5	21,168.5	W	21,700.7	
November 1998 .....	543.2	97.1	3,499.7	14,806.2	2,997.2	17,803.4	21,303.1	17.6	21,961.0	
Florida										
November 1999 .....	29.4	W	615.0	3,982.4	1,110.6	5,093.0	5,708.0	W	5,743.9	
October 1999 .....	21.6	W	570.2	3,907.6	1,142.8	5,050.4	5,620.5	W	5,645.2	
November 1998 .....	W	—	697.2	3,941.9	1,241.9	5,183.8	5,881.0	W	5,921.9	
Georgia										
November 1999 .....	31.7	W	467.4	4,016.3	618.2	4,634.5	5,101.9	W	5,134.9	
October 1999 .....	28.4	—	445.0	3,990.7	533.0	4,523.7	4,968.7	—	4,997.1	
November 1998 .....	W	W	353.4	3,657.9	542.4	4,200.2	4,553.6	—	4,589.7	
North Carolina										
November 1999 .....	188.5	W	779.0	2,754.5	605.3	3,359.8	4,138.8	W	4,355.7	
October 1999 .....	W	W	604.0	2,672.4	624.4	3,296.8	3,900.8	—	4,102.5	
November 1998 .....	184.1	W	644.8	2,761.6	529.6	3,291.1	3,935.9	W	4,173.4	
South Carolina										
November 1999 .....	73.0	W	302.5	1,543.5	214.0	1,757.4	2,059.9	W	2,135.0	
October 1999 .....	60.8	W	254.8	1,546.3	204.5	1,750.7	2,005.5	W	2,067.7	
November 1998 .....	105.7	W	310.4	1,450.7	252.9	1,703.6	2,014.0	W	2,123.3	
Virginia										
November 1999 .....	144.7	W	972.8	2,345.2	389.1	2,734.3	3,707.1	W	3,881.6	
October 1999 .....	166.8	W	992.1	2,366.0	344.1	2,710.1	3,702.2	W	3,893.8	
November 1998 .....	160.6	W	1,068.4	2,504.4	357.4	2,861.8	3,930.2	W	4,136.2	
West Virginia										
November 1999 .....	19.8	7.3	390.3	464.5	54.0	518.5	908.8	—	935.9	
October 1999 .....	W	W	464.0	437.5	69.3	506.7	970.8	—	994.4	
November 1998 .....	20.8	7.5	425.5	489.8	73.1	562.8	988.3	—	1,016.6	
PAD District II										
November 1999 .....	387.5	W	6,210.1	33,625.1	5,373.8	38,999.0	45,209.1	W	47,264.7	
October 1999 .....	W	950.6	6,246.7	37,364.2	5,472.9	42,837.1	49,083.9	W	50,367.2	
November 1998 .....	571.3	W	6,403.5	29,385.2	5,056.3	34,441.5	40,845.0	W	43,506.8	
Illinois										
November 1999 .....	26.2	219.3	1,248.8	2,973.2	388.0	3,361.2	4,610.1	—	4,855.5	
October 1999 .....	21.8	136.2	1,162.5	3,269.3	745.9	4,015.3	5,177.8	—	5,335.8	
November 1998 .....	36.8	221.3	1,205.3	2,932.6	444.4	3,377.0	4,582.3	—	4,840.4	
Indiana										
November 1999 .....	W	93.1	742.9	3,780.6	538.8	4,319.5	5,062.4	W	5,210.9	
October 1999 .....	W	43.9	653.0	3,856.0	422.6	4,278.6	4,931.6	W	5,012.3	
November 1998 .....	W	113.3	581.8	3,300.0	384.0	3,684.0	4,265.7	W	4,450.9	
Iowa										
November 1999 .....	9.4	176.8	126.7	2,014.6	73.7	2,088.3	2,215.0	—	2,401.3	
October 1999 .....	6.2	69.9	202.4	2,663.6	110.8	2,774.4	2,976.8	—	3,052.9	
November 1998 .....	10.8	221.2	222.5	1,807.1	135.3	1,942.5	2,165.0	—	2,397.0	
Kansas										
November 1999 .....	2.7	144.1	36.8	1,414.5	162.5	1,577.0	1,613.8	—	1,760.6	
October 1999 .....	2.7	98.1	44.5	1,756.7	192.1	1,948.8	1,993.3	—	2,094.1	
November 1998 .....	4.5	145.0	71.6	1,374.1	217.2	1,591.3	1,663.0	—	1,812.4	
Kentucky										
November 1999 .....	49.1	W	675.0	1,933.0	440.4	2,373.4	3,048.4	W	3,123.6	
October 1999 .....	42.8	W	650.1	1,962.7	406.6	2,369.4	3,019.5	W	3,089.7	
November 1998 .....	60.1	W	758.0	1,733.2	332.7	2,065.8	2,823.8	W	2,916.0	
Michigan										
November 1999 .....	54.2	84.1	511.5	2,893.8	287.0	3,180.8	3,692.3	—	3,830.5	
October 1999 .....	49.5	66.0	521.1	3,149.3	266.8	3,416.1	3,937.1	—	4,052.6	
November 1998 .....	73.4	91.4	538.6	2,348.4	335.0	2,683.4	3,222.0	—	3,386.8	
Minnesota										
November 1999 .....	W	294.0	396.6	1,689.5	273.9	1,963.3	2,359.9	W	2,665.0	
October 1999 .....	W	149.7	477.7	2,360.6	359.9	2,720.5	3,198.3	W	3,356.5	
November 1998 .....	W	375.8	690.6	1,303.2	263.6	1,566.8	2,257.4	W	2,745.6	
Missouri										
November 1999 .....	W	61.5	168.5	2,839.6	106.0	2,945.6	3,114.0	W	3,184.8	
October 1999 .....	12.4	43.5	206.6	3,019.6	121.0	3,140.6	3,347.2	—	3,403.1	
November 1998 .....	10.6	54.6	169.9	2,384.2	134.4	2,518.6	2,688.5	—	2,753.7	

See footnotes at end of table.

**Table 50. Prime Supplier Sales Volumes of Distillate Fuel Oils and Kerosene  
by PAD District and State**

(Thousand Gallons per Day) — Continued

Geographic Area Month	Kerosene	No. 1 Distillate	No. 2 Distillate					No. 4 Fuel <sup>a</sup>	Total Distillate and Kerosene	
			No. 2 Fuel Oil	No. 2 Diesel Fuel			No. 2 Distillate			
				Low-Sulfur	High-Sulfur	Total				
Nebraska										
November 1999 .....	1.3	130.6	122.6	W	W	1,694.3	1,816.9	—	1,948.8	
October 1999 .....	1.7	68.7	155.0	1,324.2	NA	1,889.4	2,044.4	—	2,114.9	
November 1998 .....	4.6	174.0	134.0	954.4	502.7	1,457.1	1,591.0	—	1,769.6	
North Dakota										
November 1999 .....	—	104.9	W	510.3	W	W	745.0	—	849.8	
October 1999 .....	—	58.1	W	664.7	W	W	1,022.4	—	1,080.5	
November 1998 .....	W	W	141.9	417.9	44.2	462.1	604.0	—	785.3	
Ohio										
November 1999 .....	88.0	W	1,043.0	W	W	4,592.7	5,635.8	W	5,775.9	
October 1999 .....	66.0	W	952.3	3,886.3	700.7	4,587.0	5,539.3	W	5,648.8	
November 1998 .....	88.9	W	1,022.3	3,422.4	828.3	4,250.6	5,272.9	W	5,442.7	
Oklahoma										
November 1999 .....	2.8	4.2	136.4	2,795.3	896.3	3,691.6	3,827.9	—	3,834.9	
October 1999 .....	2.2	4.9	180.2	2,899.1	628.0	3,527.1	3,707.3	—	3,714.4	
November 1998 .....	4.3	4.2	122.2	2,357.6	620.8	2,978.4	3,100.6	—	3,109.1	
South Dakota										
November 1999 .....	—	100.0	W	563.4	W	W	585.9	—	685.9	
October 1999 .....	0.9	52.1	W	734.9	W	W	770.9	—	823.9	
November 1998 .....	1.0	167.4	35.0	501.1	12.3	513.5	548.4	—	716.8	
Tennessee										
November 1999 .....	W	W	318.1	3,155.1	550.7	3,705.8	4,024.0	—	4,103.6	
October 1999 .....	W	W	329.0	3,510.7	543.0	4,053.8	4,382.7	—	4,465.2	
November 1998 .....	80.2	W	187.4	2,835.4	573.0	3,408.5	3,595.9	W	3,688.4	
Wisconsin										
November 1999 .....	W	167.9	491.4	2,159.6	206.8	2,366.4	2,857.9	W	3,033.7	
October 1999 .....	W	80.5	465.1	2,306.5	263.5	2,570.0	3,035.1	W	3,122.4	
November 1998 .....	12.2	215.5	522.6	1,713.5	228.4	1,941.9	2,464.4	—	2,692.1	
PAD District III										
November 1999 .....	105.6	W	2,895.8	16,409.2	7,631.6	24,040.8	26,936.6	W	27,094.1	
October 1999 .....	304.5	32.9	2,135.0	16,511.0	7,276.4	23,787.5	25,922.4	—	26,259.8	
November 1998 .....	935.3	W	1,671.5	15,503.8	6,772.1	22,276.0	23,947.4	W	24,923.7	
Alabama										
November 1999 .....	W	W	319.3	1,661.0	285.2	1,946.2	2,265.5	—	2,284.9	
October 1999 .....	W	W	309.6	1,661.8	317.8	1,979.6	2,289.2	—	2,309.8	
November 1998 .....	15.0	—	339.2	1,583.1	295.9	1,879.0	2,218.2	—	2,233.2	
Arkansas										
November 1999 .....	W	W	142.0	1,412.3	540.8	1,953.1	2,095.1	—	2,099.4	
October 1999 .....	W	W	146.8	1,578.2	478.2	2,056.5	2,203.2	—	2,206.0	
November 1998 .....	W	W	93.8	1,734.1	480.7	2,214.8	2,308.6	—	2,313.2	
Louisiana										
November 1999 .....	63.8	—	597.9	1,600.2	3,002.8	4,603.0	5,200.9	—	5,264.7	
October 1999 .....	W	—	771.3	1,648.9	W	W	W	—	5,488.4	
November 1998 .....	W	—	421.2	1,599.2	W	W	W	—	5,357.9	
Mississippi										
November 1999 .....	W	W	154.7	1,207.5	625.6	1,833.1	1,987.8	W	1,993.2	
October 1999 .....	W	—	165.8	1,244.5	W	W	W	—	2,050.4	
November 1998 .....	5.0	—	151.4	1,264.6	W	W	1,817.3	—	1,822.3	
New Mexico										
November 1999 .....	W	W	—	1,179.7	105.0	1,284.7	1,284.7	—	1,311.9	
October 1999 .....	W	W	—	1,148.6	80.9	1,229.5	1,229.5	—	1,245.9	
November 1998 .....	W	18.7	—	986.5	W	W	W	—	1,105.2	
Texas										
November 1999 .....	W	W	1,682.0	9,348.6	3,072.1	12,420.7	14,102.7	—	14,140.0	
October 1999 .....	14.3	13.1	741.5	9,228.9	2,961.5	12,190.4	12,931.9	—	12,959.2	
November 1998 .....	574.4	W	665.8	8,336.3	2,496.0	10,832.3	11,498.2	W	12,092.1	
PAD District IV										
November 1999 .....	4.7	416.4	W	5,064.0	W	W	6,097.5	—	6,518.5	
October 1999 .....	4.9	262.9	W	5,719.6	W	W	6,795.2	—	7,062.9	
November 1998 .....	5.3	394.1	W	4,400.9	W	W	5,317.6	—	5,716.9	
Colorado										
November 1999 .....	3.2	116.6	1.4	1,374.9	263.1	1,638.0	1,639.4	—	1,759.1	
October 1999 .....	W	W	W	1,586.8	W	W	1,931.3	—	2,019.2	
November 1998 .....	3.4	110.2	W	1,214.9	W	W	1,550.9	—	1,664.5	

See footnotes at end of table.



**Table 50. Prime Supplier Sales Volumes of Distillate Fuel Oils and Kerosene by PAD District and State**

(Thousand Gallons per Day) — Continued

Geographic Area Month	Kerosene	No. 1 Distillate	No. 2 Distillate					No. 4 Fuel <sup>a</sup>	Total Distillate and Kerosene	
			No. 2 Fuel Oil	No. 2 Diesel Fuel			No. 2 Distillate			
				Low-Sulfur	High-Sulfur	Total				
Idaho										
November 1999 .....	W	W	—	733.9	224.3	958.2	958.2	—	1,045.4	
October 1999 .....	—	38.3	—	870.2	240.0	1,110.2	1,110.2	—	1,148.5	
November 1998 .....	—	64.2	—	589.8	185.3	775.0	775.0	—	839.2	
Montana										
November 1999 .....	—	75.1	W	675.8	W	W	730.2	—	805.3	
October 1999 .....	—	58.7	W	822.5	W	W	863.5	—	922.3	
November 1998 .....	—	80.4	—	W	W	609.2	609.2	—	689.6	
Utah										
November 1999 .....	W	W	W	1,128.6	W	W	1,338.6	—	1,395.9	
October 1999 .....	W	W	W	1,183.9	W	W	1,385.9	—	1,416.6	
November 1998 .....	W	W	W	W	W	W	1,071.1	—	1,132.4	
Wyoming										
November 1999 .....	—	81.9	W	1,150.7	W	W	1,431.0	—	1,512.9	
October 1999 .....	W	W	W	1,256.3	W	W	1,504.3	—	1,556.4	
November 1998 .....	W	W	W	1,065.8	W	W	1,311.3	—	1,391.2	
PAD District V										
November 1999 .....	NA	567.4	W	15,769.1	W	W	19,140.4	109.3	19,838.6	
October 1999 .....	W	430.4	W	17,202.5	W	W	21,233.8	W	21,773.5	
November 1998 .....	120.6	384.5	W	15,340.3	W	W	18,627.2	108.8	19,241.1	
Alaska										
November 1999 .....	W	453.3	246.8	NA	NA	NA	NA	W	1,159.2	
October 1999 .....	W	347.9	250.5	W	W	442.0	692.5	W	1,116.2	
November 1998 .....	W	300.0	319.4	38.5	245.8	284.3	603.7	W	995.0	
Arizona										
November 1999 .....	W	W	—	1,465.1	59.8	1,524.9	1,524.9	—	1,526.2	
October 1999 .....	W	W	W	1,704.0	W	W	1,824.0	—	1,827.4	
November 1998 .....	W	W	—	1,558.7	206.4	1,765.1	1,765.1	—	1,776.6	
California										
November 1999 .....	W	—	—	10,265.2	278.7	10,543.9	10,543.9	W	10,561.6	
October 1999 .....	W	—	W	10,982.8	W	W	11,299.6	W	11,307.5	
November 1998 .....	W	—	W	9,775.9	W	W	10,322.4	W	10,381.4	
Hawaii										
November 1999 .....	—	—	—	W	W	NA	NA	—	NA	
October 1999 .....	—	—	—	W	W	NA	NA	—	NA	
November 1998 .....	—	—	—	110.7	416.2	526.9	526.9	—	526.9	
Nevada										
November 1999 .....	W	W	W	W	W	W	908.7	—	910.5	
October 1999 .....	W	W	W	952.3	W	W	1,153.4	—	1,154.2	
November 1998 .....	W	W	W	679.7	W	W	748.4	—	749.3	
Oregon										
November 1999 .....	NA	W	W	1,493.2	W	W	2,273.9	W	2,330.8	
October 1999 .....	W	23.9	W	1,500.2	W	W	2,361.7	W	2,400.7	
November 1998 .....	W	10.9	W	1,394.0	W	W	1,972.4	W	2,038.1	
Washington										
November 1999 .....	W	80.2	22.4	1,706.5	964.0	2,670.5	2,693.0	W	2,778.0	
October 1999 .....	W	55.2	30.8	1,938.4	1,265.9	3,204.3	3,235.1	W	3,300.0	
November 1998 .....	W	62.1	W	1,782.8	W	W	2,688.3	W	2,773.8	

Dash (—) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

Notes: Total Distillate = No. 1 Distillate + No. 2 Distillate + No. 4 Fuel Oil.

Notes: Values shown for the current month are preliminary. Values shown for previous months are revised. Data are final upon publication in the *Petroleum Marketing Annual*. Totals may not equal the sum of the components due to rounding.

<sup>a</sup> Includes No. 4 fuel oil and No. 4 diesel fuel.

Source: Energy Information Administration, Form EIA-782C, "Monthly Report of Prime Supplier Sales of Petroleum Products Sold for Local Consumption."



# Explanatory Notes

The Explanatory Notes contain descriptions of the survey forms, sampling frames, sample design, sampling variability, imputation and estimation, and other technical information concerning the surveys. You may obtain a complete set of the Explanatory Notes for the *Petroleum Marketing Monthly* through the following sources:

- 1) The EIA website at <http://www.eia.doe.gov>.

Once you are in the EIA Website, click on "Petroleum" and then scroll down and click on *Petroleum Marketing Monthly*. When you are in the *Petroleum Marketing*

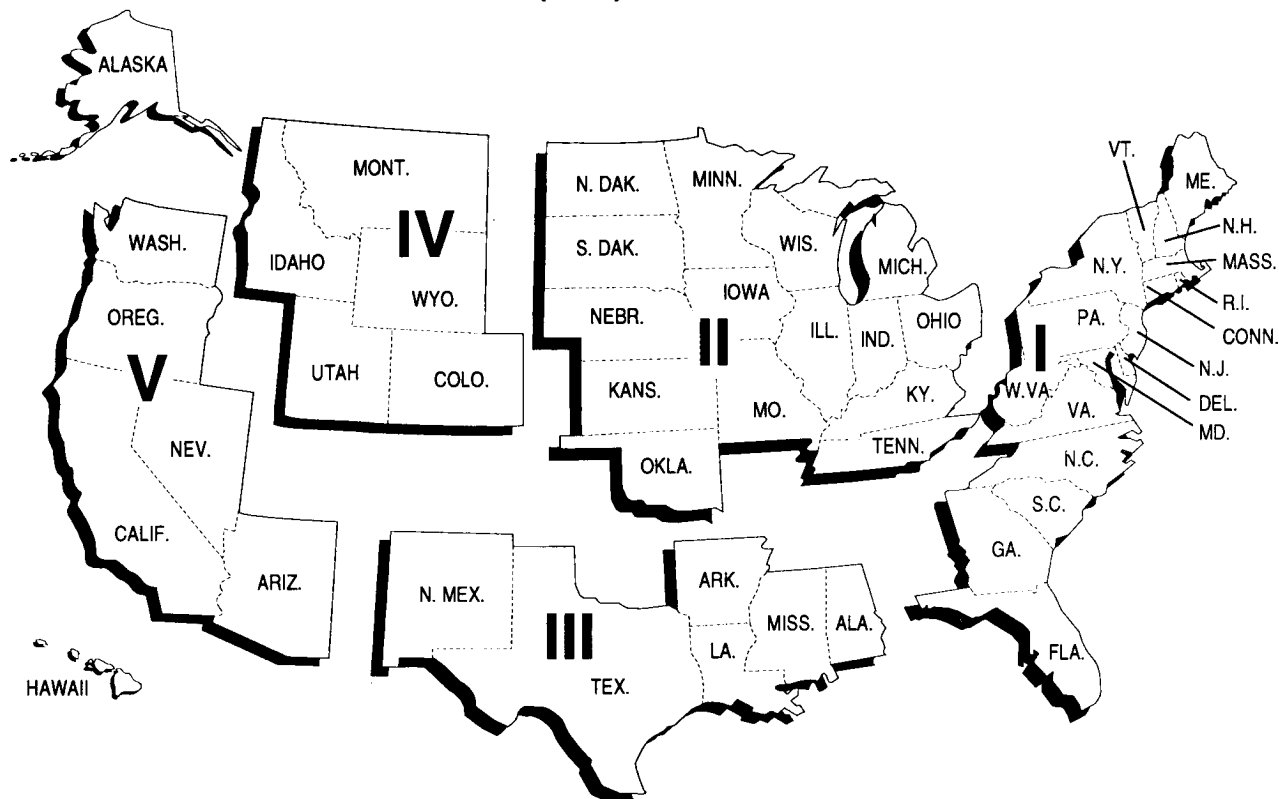
*Monthly* directory, scroll down to the "previous" and click on "historical," then click on "January" and scroll down to Explanatory Notes PDF file at the end. Click on "Explanatory Notes" or go directly to the Explanatory Notes at [http://www.eia.doe.gov/oil\\_gas/petroleum/pet\\_frame.html](http://www.eia.doe.gov/oil_gas/petroleum/pet_frame.html) and click on "Explanatory Notes."

- 2) The January 1999 issue of the *Petroleum Marketing Monthly*.

- 3) The National Energy Information Center on (202) 586-8800 or [infoctr@eia.doe.gov](mailto:infoctr@eia.doe.gov).

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## Petroleum Administration for Defense (PAD) Districts



**Table EN1. Federal and State Motor Gasoline Taxes<sup>1</sup>  
(Cents per Gallon)**

	Motor Gasoline	Diesel Fuel	Gasohol		Motor Gasoline	Diesel Fuel	Gasohol
Federal <sup>2</sup> . . . . .	18.40	24.40	13.00	Mississippi <sup>4</sup> . . . . .	18.40	18.40	18.40
Average State Tax . . . .	19.93	20.00	19.80	Missouri <sup>4</sup> . . . . .	17.00	17.00	17.00
				Montana <sup>4</sup> . . . . .	27.75	28.50	27.75
Alabama <sup>4</sup> . . . . .	18.00	19.00	18.00	Nebraska . . . . .	22.80	22.80	22.80
Alaska . . . . .	8.00	8.00	8.00	Nevada <sup>4</sup> . . . . .	23.75	27.75	23.75
Arizona . . . . .	18.00	27.00	18.00	New Hampshire . . . . .	19.60	19.60	19.60
Arkansas . . . . .	19.50	20.50	19.50	New Jersey <sup>3</sup> . . . . .	10.50	13.50	10.50
California <sup>3,4</sup> . . . . .	18.00	18.00	18.00	New Mexico . . . . .	18.50	19.50	18.50
Colorado . . . . .	22.00	20.50	22.00	New York <sup>3,4</sup> . . . . .	22.05	21.30	22.05
Connecticut <sup>3</sup> . . . . .	32.00	18.00	31.00	North Carolina . . . . .	21.20	21.20	21.20
Delaware . . . . .	23.00	22.00	23.00	North Dakota . . . . .	21.00	21.00	21.00
District of Columbia . .	20.00	20.00	20.00	Ohio . . . . .	22.00	22.00	22.00
Florida <sup>4</sup> . . . . .	13.10	13.10	13.10	Oklahoma . . . . .	17.00	14.00	17.00
Georgia <sup>3,4</sup> . . . . .	7.50	7.50	7.50	Oregon <sup>4</sup> . . . . .	24.00	24.00	24.00
Hawaii <sup>3,4</sup> . . . . .	16.00	16.00	16.00	Pennsylvania . . . . .	25.90	30.80	25.90
Idaho . . . . .	25.00	25.00	22.50	Rhode Island . . . . .	29.00	29.00	29.00
Illinois <sup>3,4</sup> . . . . .	19.00	21.50	19.00	South Carolina <sup>4</sup> . . . . .	16.00	16.00	16.00
Indiana <sup>3</sup> . . . . .	15.00	16.00	15.00	South Dakota . . . . .	22.00	22.00	20.00
Iowa <sup>3</sup> . . . . .	20.00	22.50	19.00	Tennessee . . . . .	20.00	17.00	20.00
Kansas . . . . .	20.00	22.00	20.00	Texas . . . . .	20.00	20.00	20.00
Kentucky . . . . .	16.40	13.40	16.40	Utah . . . . .	24.50	24.50	24.50
Louisiana . . . . .	20.00	20.00	20.00	Vermont . . . . .	20.00	17.00	20.00
Maine . . . . .	19.00	20.00	19.00	Virginia <sup>3</sup> . . . . .	17.50	16.00	17.50
Maryland . . . . .	23.50	24.25	23.50	Washington <sup>4</sup> . . . . .	23.00	23.00	23.00
Massachusetts . . . . .	21.00	21.00	21.00	West Virginia <sup>3</sup> . . . . .	20.50	20.50	20.50
Michigan <sup>3</sup> . . . . .	19.00	19.00	19.00	Wisconsin . . . . .	25.40	25.40	25.40
Minnesota <sup>3</sup> . . . . .	20.00	20.00	20.00	Wyoming . . . . .	14.00	14.00	14.00

<sup>1</sup> This figure lists rates of general application (including, but not limited to, excise taxes, environmental taxes, special taxes, and inspection fees), exclusive of county and local taxes. Rates are also exclusive of any State taxes based on gross or net receipts. The State rates are effective July 1, 1999.

<sup>2</sup> The Federal tax on motor gasoline and diesel fuel increased to 18.4 and 24.4 cents, respectively, on October 1, 1997.

<sup>3</sup> Additional State taxes are levied as follows: California: 7.25 percent sales tax; Connecticut: 5 percent gross earnings tax; Georgia: 4 percent sales tax; Hawaii: 4 percent gross income tax; Illinois: 6.25 percent sales tax; Indiana: 5 percent sales tax; Iowa: 1 percent environmental protection tax; Michigan: 6 percent sales tax; New Jersey: gross receipts tax of 4 cents per gallon for on-highway use fuels; New York: 4 percent sales tax; Virginia: 2 percent sales tax in areas where mass transit systems exist; West Virginia: Consumer and sales tax of 4.85 cents per gallon.

<sup>4</sup> Local option taxes (LOTS) are allowed. In Florida, the State assesses a State Comprehensive Enhanced Transportation System (SCETS) tax on gasoline which is two-thirds of each county's rate. In addition, the State collects a "ninth cent tax" and a second local tax. These taxes add an average of 11.8 cents to the gasoline State tax. For diesel fuel, add 12.0 cents to the State tax. In Hawaii, LOTS are as follows: Honolulu: 16.5 cents per gallon; Maui: 13.0 cents per gallon; Hawaii: 8.8 cents per gallon; Kauai: 10.0 cents per gallon.

## Product Guide

Category	Table	
	Prices	Volumes
<b>Crude Oil</b>		
Refiner Acquisition Cost .....	1	—
Domestic First Purchases .....	1	—
from selected States .....	21	—
by API gravity .....	23	—
for selected crude streams .....	22	—
Imports		
F.O.B. Costs .....	1	—
from selected countries .....	24	—
by API gravity .....	26	—
for selected crude streams .....	29	—
Landed Costs .....	1	—
from selected countries .....	25	—
by API gravity .....	27	—
for selected crude streams .....	30	—
Percentage by Gravity Band .....	28	—
<b>Motor Gasoline</b>		
all sellers .....	31	—
refiners .....	2,4,6,35	3,5,7,43,44
prime suppliers .....	—	48
Conventional		
all sellers .....	32	—
refiners .....	8	9,44
prime suppliers .....	—	48
Oxygenated		
all sellers .....	33	—
refiners .....	10	11,44
prime suppliers .....	—	48
Reformulated		
all sellers .....	34	—
refiners .....	12	13,44
prime suppliers .....	—	48
<b>Aviation Gasoline</b>		
refiners .....	2,4,36	3,5,45
prime suppliers .....	—	49
<b>Kerosene-Type Jet Fuel</b>		
refiners .....	2,4,36	3,5,45
prime suppliers .....	—	49
<b>Naphtha-Type Jet Fuel</b>		
prime suppliers .....	—	49
<b>Propane, Consumer Grade</b>		
all sellers .....	14,38	—
refiners .....	2,4	3,5,45
prime suppliers .....	—	49

## Product Guide

Category	Table	
	Prices	Volumes
<b>Kerosene</b>		
refiners . . . . .	2,4,36	3,5,45
prime suppliers . . . . .	—	50
<b>No. 1 Distillate</b> . . . . .		
refiners . . . . .	2,4,37	3,5,45
prime suppliers . . . . .	—	50
<b>No. 2 Distillate</b> . . . . .		
all sellers . . . . .	15,18,39	—
refiners . . . . .	2,4,37	3,5,46
prime suppliers . . . . .	—	50
<b>No. 2 Diesel Fuel</b>		
all sellers . . . . .	16,17,40	—
refiners . . . . .	2,4	3,5,46
prime suppliers . . . . .	—	50
<b>Low-Sulfur</b>		
all sellers . . . . .	17,41	—
refiners . . . . .	—	3,5,46
prime suppliers . . . . .	—	50
<b>High-Sulfur</b>		
all sellers . . . . .	17,41	—
refiners . . . . .	—	3,5,46
prime suppliers . . . . .	—	50
<b>No. 2 Fuel Oil</b>		
refiners . . . . .	2,4	3,5,46
prime suppliers . . . . .	—	50
<b>No. 4 Fuel</b>		
all sellers . . . . .	37	—
refiners . . . . .	2,4	3,5,47
prime suppliers . . . . .	—	50
<b>Residual Fuel Oil</b>		
all sellers . . . . .	42	—
refiners . . . . .	2,4,19	3,5,20,47
prime suppliers . . . . .	—	49
<b>Sulfur Content less than or equal to 1%</b>		
all sellers . . . . .	42	—
refiners . . . . .	19	20,47
prime suppliers . . . . .	—	49
<b>Sulfur Content greater than 1%</b>		
all sellers . . . . .	42	—
refiners . . . . .	19	20,47
prime suppliers . . . . .	—	49

# Glossary

**API Gravity:** An arbitrary scale expressing the gravity or density of liquid petroleum products. The measuring scale is calibrated in terms of degrees API; it may be calculated in terms of the following formula:

$$\text{Deg API} = \frac{141.5}{\text{sp gr } 60\text{degF} / 60\text{degF}} - 131.5$$

The higher the API gravity, the lighter the compound. Light crudes generally exceed 38 degrees API and heavy crudes are commonly labeled as all crudes with an API gravity of 22 degrees or below. Intermediate crudes fall in the range of 22 degrees to 38 degrees API gravity.

**ASTM:** American Society for Testing and Materials.

**Aviation Gasoline (Finished):** A complex mixture of relatively volatile hydrocarbons with or without small quantities of additives, blended to form a fuel suitable for use in aviation reciprocating engines. Fuel specifications are provided in ASTM Specification D 910 and Military Specification MIL-G-5572. *Note:* Data on blending components are not counted in data on finished aviation gasoline.

**Barrel:** A volumetric unit of measure for crude oil and petroleum products equivalent to 42 U.S. gallons.

**Bulk Sales:** Wholesale sales of gasoline in individual transactions which exceed the size of a truckload.

**CIF:** Cost, insurance, and freight. A type of sale in which the buyer of the product agrees to pay a unit price that includes the f.o.b. value of the product at the point of origin plus all costs of insurance and transportation. This type of transaction differs from a "delivered" purchase, in that the buyer accepts the quantity as determined at the loading port (as certified by the bill of lading and quality report) rather than pay based on the quantity and quality ascertained at the unloading port. It is similar to the terms of an f.o.b. sale, except that the seller, as a service for which he is compensated, arranges for transportation and insurance.

**Commercial/Institutional:** Firms engaged in transportation, wholesale or retail trade, finance, insurance, and real estate. Also included are apartment buildings/complexes and other multifamily dwellings, hotels and office buildings or complexes, local, State, or Federal facilities or organizations including the military, schools, hospitals, religious institutions, universities, and all other government-supported organizations.

**Conventional Gasoline:** Finished motor gasoline not included in the oxygenated or reformulated gasoline categories. *Note:* This category excludes reformulated gasoline blendstock for oxygenate blending (RBOB) well as other blendstock.

**Crude Oil (including lease condensate):** A mixture of hydrocarbons that existed in liquid phase in underground reservoirs and remains liquid at atmospheric pressure after passing through surface separating facilities. Includes lease condensate and drip gas, as well as liquid hydrocarbons produced from tar sands, gilsonite, and oil shale. Excludes topped crude oil, residual oil, other unfinished oils, and liquids produced at natural gas processing plants and mixed with crude oil, where identifiable. Crude oil is considered as either domestic or imported according to the following:

1. **Domestic Crude Oil:** Crude oil produced in the United States or from its "outer continental shelf" as defined in 43 U.S.C. 1331.
2. **Imported Crude Oil:** Crude oil produced outside the United States and brought into the United States.
3. **First purchase volume and cost data** for crude oil are classified in accordance with what the product was sold as, regardless of the actual specifications. Hence, its volumes may include some of the excluded liquids discussed above.

**Crude Oil Acquisitions (unfinished oil acquisitions):** The volume of crude oil either (1) acquired by the respondent for processing for its own account in accor-

dance with accounting procedures generally accepted and consistently and historically applied by the refiner concerned, or (2) in the case of a processing agreement, delivered to another refinery for processing for the respondent's own account.

Crude oil which has been added by a refiner to inventory, and which is thereafter sold or otherwise disposed of without processing for the account of that refiner, shall be deducted from its crude oil purchases at the time when the related cost is deducted from refinery inventory in accordance with accounting procedures generally applied by the refiner concerned.

**Dealer Tank Wagon (DTW) Sales:** Wholesale sales of gasoline priced on a delivered basis to a retail outlet.

**Distillate Fuel Oil:** A general classification for one of the petroleum fractions produced in conventional distillation operations. Products known as No. 1, No. 2, and No. 4 diesel fuel are used in on-highway diesel engines, such as those in railroad locomotives and agricultural machinery. Products known as No. 1, No. 2, and No. 4 fuel oils are used primarily for space heating and electric power generation.

1. **No. 1 Distillate:** A light petroleum distillate that can be used as either a diesel fuel (see **No. 1 Diesel Fuel**) or a fuel oil (See **No. 1 Fuel Oil**).

a. **No. 1 Diesel Fuel:** A light distillate fuel oil that has distillation temperatures of 550 degrees Fahrenheit at the 90-percent point and meets the specifications defined in ASTM Specification D 975. It is used in high-speed diesel engines generally operated under frequent speed and load changes, such as those in city buses and similar vehicles. See **No. 1 Distillate**.

b. **No. 1 Fuel Oil:** A light distillate fuel oil that has distillation temperatures of 400 degrees Fahrenheit at the 10-percent recovery point and 550 degrees Fahrenheit at the 90-percent point and meets the specifications defined in ASTM Specification D 396. It is used primarily as fuel for portable outdoor stoves and portable outdoor heaters. See **No. 1 Distillate**.

2. **No. 2 Distillate:** A petroleum distillate that can be used as either a diesel fuel (see **No. 2 Diesel Fuel**) or a fuel oil. See **No. 2 Fuel Oil**.

a. **No. 2 Diesel Fuel:** A fuel that has distillation temperatures of 500 degrees Fahrenheit at the 10-percent recovery point and 640 degrees Fahrenheit at the 90-percent recovery point and meets the specifications defined in ASTM Specification D 975. It is used in high speed diesel engines that are generally operated under uniform speed and load conditions, such as those in railroad locomotives, trucks, and automobiles. See **No. 2 Distillate**.

- **Low Sulfur No. 2 Diesel Fuel:** No. 2 diesel fuel that has a sulfur level no higher than 0.05 percent by weight. It is used primarily in motor vehicle diesel engines for on-highway use.

- **High Sulfur No. 2 Diesel Fuel:** No. 2 diesel fuel that has a sulfur level above 0.05 percent by weight.

b. **No. 2 Fuel Oil (Heating Oil):** A distillate fuel oil that has distillation temperatures of 400 degrees Fahrenheit at the 10-percent recovery point and 640 degrees Fahrenheit at the 90-percent recovery point and meets the specifications defined in ASTM Specification D 396. It is used in atomizing type burners for domestic heating or for moderate capacity commercial/industrial burner units. See **No. 2 Distillate**.

**NOTE:** Published volume and price data for No. 2 diesel fuel and No. 2 fuel oil are classified in accordance to what the product was sold as, regardless of the actual specifications of that product; i.e., if a No. 2 distillate was sold as a heating or fuel oil, the volume and price would be published in the category "No. 2 Fuel Oil" even if the product conformed to the higher specifications of a diesel fuel.

3. **No. 4 Fuel:** A distillate fuel oil made by blending distillate fuel oil and residual fuel oil stocks. It conforms with ASTM Specification D 396 or Federal Specification VV-F-815C and is used extensively in industrial plants and in commercial burner installations that are not equipped with preheating facilities. It also includes No. 4 diesel fuel used for low-and medium-speed diesel engines and conforms to ASTM Specification D 975.



**First Purchase (of crude oil):** An equity (not custody) transaction involving an arms-length transfer of ownership of crude oil associated with the physical removal of the crude oil from a property (lease) for the first time. A first purchase normally occurs at the time and place of ownership transfer where the crude oil volume sold is measured and recorded on a run ticket or other similar physical evidence of purchase. The reported cost is the actual amount paid by the purchaser, allowing for any adjustments (deductions or premiums) passed on to the producer or royalty owner.

**F.o.b. Price (free on board):** The f.o.b. price is the price actually charged at the producing country's port of loading. The reported price includes deductions for any rebates and discounts or additions of premiums where applicable and should be the actual price paid with no adjustment for credit terms.

**Gas Plant Operator:** Any firm, including a gas plant owner, which operates a gas plant and keeps the gas plant records. A gas plant is a facility in which natural gas liquids are separated from natural gas, or in which natural gas liquids are fractionated or otherwise separated into natural gas liquid products or both. For the purposes of this publication, gas plant operator data are contained in the refiner categories.

**Gasohol:** A blend of finished motor gasoline containing alcohol (generally ethanol but sometimes methanol) at a concentration of 10 percent or less by volume. Data on gasohol that has at least 2.7 percent oxygen, by weight, and is intended for sale inside carbon monoxide nonattainment areas are included in data on oxygenated gasoline. See **Oxygenates**.

**Industrial:** Firms engaged in mining, construction, or manufacturing.

**Kerosene:** A light petroleum distillate that is used in space heaters, cook stoves, and water heaters and is suitable for use as a light source when burned in wick-fed lamps. Kerosene has a maximum distillation temperature of 400 degrees Fahrenheit at the 10-percent recovery point, a final boiling point of 572 degrees Fahrenheit, and a minimum flash point of 100 degrees Fahrenheit. Included are No. 1-K and No. 2-K, the two grades of kerosene called range or stove oil, which have properties similar to those of No. 1 fuel oil. See **Kerosene-Type Jet Fuel**.

**Kerosene-Type Jet Fuel:** A kerosene-based product having a maximum distillation temperature of 400 degrees Fahrenheit at the 10-percent recovery point and a final maximum boiling point of 572 degrees Fahrenheit

and meeting ASTM Specification D 1655 and Military Specifications MIL-T-5624P and MIL-T-83133D (Grades JP-5 and JP-8). It is used for commercial and military turbojet and turboprop aircraft engines.

**Landed Cost:** Landed cost represents the dollar per barrel price of crude oil at the port of discharge. Includes charges associated with the purchase, transporting, and insuring of a cargo from the purchase point to the port of discharge. Does not include charges incurred at the discharge port (e.g., import tariffs or fees, wharfage charges, and demurrage).

**Motor Gasoline (Finished):** A complex mixture of relatively volatile hydrocarbons with or without small quantities of additives, blended to form a fuel suitable for use in spark-ignition engines. Motor gasoline, as defined in ASTM Specification D-4814 or Federal Specification VV-G-1690B, is characterized as having a boiling range of 122 to 158 degrees Fahrenheit at the 10 percent recovery point to 365 to 374 degrees Fahrenheit at the 90 percent recovery point. "Motor Gasoline" includes conventional gasoline; all types of oxygenated gasoline, including gasohol; and reformulated gasoline, but excludes aviation gasoline. *Note:* Volumetric data on blending components, such as oxygenates, are not counted in data on finished motor gasoline until the blending components are blended into the gasoline.

1. **Conventional Gasoline:** Motor gasoline not included in the oxygenated or reformulated gasoline categories. Excludes reformulated gasoline blendstock for oxygenate blending (RBOB).
2. **Oxygenated Gasoline:** Finished motor gasoline, other than reformulated gasoline, having an oxygen content of 2.7 percent or higher by weight and required by the U.S. Environmental Protection Agency (EPA) to be sold in areas designated by EPA as carbon monoxide(CO) nonattainment areas. *Note:* Oxygenated gasoline excludes oxygenated fuels program reformulated gasoline (OPRG) and reformulated gasoline blendstock for oxygenate blending (RBOB). Data on gasohol that has at least 2.7 percent oxygen, by weight, and is intended for sale inside CO nonattainment areas are included in data on oxygenated gasoline. Other data on gasohol are included in data on conventional gasoline.
3. **Reformulated Gasoline:** Finished motor gasoline formulated for use in motor vehicles, the composition and properties of which meet the requirements of the reformulated gasoline regu-

lations promulgated by the U.S. Environmental Protection Agency under Section 211(k) of the Clean Air Act. Note: This category includes oxygenated fuels program reformulated gasoline (OPRG) but excludes reformulated gasoline blendstock for oxygenate blending (RBOB).

**Gasoline Grades:** The classification of gasoline by octane ratings. Each type of gasoline (conventional, oxygenated, and reformulated) is classified by three grades - Regular, Midgrade, and Premium. Note: Gasoline sales are reported by grade in accordance with their classification at the time of sale. In general, automotive octane requirements are lower at high altitudes. Therefore, in some areas of the United States, such as the Rocky Mountain States, the octane ratings for the gasoline grades may be 2 or more octane points lower.

**1. Regular Gasoline:** Gasoline having an antiknock index, i.e., octane rating, greater than or equal to 85 and less than 88. Note: Octane requirements may vary by altitude. See **Gasoline Grades**.

**2. Midgrade Gasoline:** Gasoline having an antiknock index, i.e., octane rating, greater than or equal to 88 and less than or equal to 90. Note: Octane requirements may vary by altitude. See **Gasoline Grades**.

**3. Premium Gasoline:** Gasoline having an antiknock index, i.e., octane rating, greater than 90. Note: Octane requirements may vary by altitude. See **Gasoline Grades**.

**MTBE (methyl tertiary butyl ether):** An ether eligible for gasoline blending, blends up to 15.0 percent by volume MTBE which must meet the ASTM D 4814 Specifications. Blenders must take precautions that the blends are not used as base gasolines for other oxygenated blends.

**Naphtha:** A generic term applied to a petroleum fraction with an approximate boiling range between 122 and 400 degrees Fahrenheit.

**Naphtha-Type Jet Fuel:** A fuel in the heavy naphtha boiling range with an average gravity of 52.8 degrees API, 20 to 90 percent distillation temperatures of 290 degrees to 470 degrees Fahrenheit, and meeting Military Specification MIL-T-5624L (Grade JP-4). It is used primarily for military turbojet and turboprop aircraft engines because it has a lower freeze point than other

aviation fuels and meets engine requirements at high altitudes and speeds.

**Octane Rating:** A number used to indicate gasoline's antiknock performance in motor vehicle engines. The two recognized laboratory engine test methods for determining the antiknock rating, i.e., octane rating, of gasolines are the Research method and the Motor method. To provide a single number as guidance to the consumer, the antiknock index  $(R + M)/2$ , which is the average of the Research and Motor octane numbers, was developed.

**OPEC:** Organization of Petroleum Exporting Countries, oil-producing and exporting countries that have organized for the purpose of negotiating with oil companies on matters of oil production, prices, and future concession rights. Current members are Algeria, Gabon, Indonesia, Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, United Arab Emirates, and Venezuela. Prior to January 1, 1993, Ecuador was a member of OPEC.

**OPRG:** "Oxygenated Fuels Program Reformulated Gasoline" is reformulated gasoline which is intended for use in an oxygenated fuels program control area during an oxygenated fuels program control period.

**Other End Users:** For motor gasoline, all direct sales to end users other than those made through company outlets. For No. 2 distillate, all direct sales to end users other than residential, commercial/institutional, industrial sales, and sales through company outlets. Included in the "other end users" category are sales to utilities and agriculture.

**Oxygenated Gasoline:** See Motor Gasoline.

**Oxygenates:** Substances which, when added to gasoline, increase the amount of oxygen in that gasoline blend. Ethanol, Methyl Tertiary Butyl Ether (MTBE), Ethyl Tertiary Butyl Ether (ETBE), and methanol are common oxygenates.

**PAD District:** Petroleum Administration for Defense Districts

**PAD District I:**

**Subdistrict IA:** Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont.

**Subdistrict IB:** Delaware, District of Columbia, Maryland, New Jersey, New York, Pennsylvania.

**Subdistrict IC:** Florida, Georgia, North Carolina, South Carolina, Virginia, West Virginia.

**PAD District II:**

Illinois, Indiana, Iowa, Kansas, Kentucky, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, Oklahoma, South Dakota, Tennessee, Wisconsin.

**PAD District III:**

Alabama, Arkansas, Louisiana, Mississippi, New Mexico, Texas, Federal Offshore Gulf.

**PAD District IV:**

Colorado, Idaho, Montana, Utah, Wyoming.

**PAD District V:**

Alaska (North Slope and Other Mainland), Arizona, California, Hawaii, Nevada, Oregon, Washington, Federal Offshore California.

**Petrochemical Sales:** Sales of propane to a manufacturer of chemicals derived from petroleum or natural gas, or from raw materials derived from petroleum or natural gas.

**Petroleum Products:** Petroleum products are obtained from the processing of crude oil (including lease condensate), natural gas, and other hydrocarbon compounds. Petroleum products include unfinished oils, liquefied petroleum gases, pentanes, plus aviation gasoline, motor gasoline, naphtha-type jet fuel, kerosene, distillate fuel oil, residual fuel oil, petrochemical feedstocks, special naphthas, lubricants, waxes, petroleum coke, asphalt, road oil, still gas, and miscellaneous products.

**Prime Supplier:** A firm that produces, imports, or transports selected petroleum products across State boundaries and local marketing areas, and sells the product to local distributors, local retailers, or end users.

**Propane, Consumer Grade:** A normally gaseous paraffinic compound ( $C_3H_8$ ), which includes all products covered by Natural Gas Policy Act (NGPA) Specifications for commercial use and HD-5 propane and ASTM Specification D 1835. It is a colorless paraffinic gas that boils at a temperature of -43.67 degrees Fahrenheit. It does not include the propane portion of any natural gas liquids (NGL) mixes; i.e., butane-propane mix.

**Rack Sales:** Wholesale truckload sales or smaller of gasoline where title transfers at a terminal.

**RBOB:** "Reformulated Gasoline Blendstock for Oxygenate Blending" is a motor gasoline blending component which, when blended with a specified type and percentage of oxygenate, meets the definition of reformulated gasoline.

**Reference Month:** The calendar month and year to which the reported cost, price, and volume information relates.

**Refiner:** A firm or the part of a firm that refines products or blends and substantially changes products, or refines liquid hydrocarbons from oil and gas field gases, or recovers liquefied petroleum gases incident to petroleum refining and sells those products to resellers, retailers, resellers/retailers, or ultimate consumers. "Refiner" includes any owner of products which contracts to have those products refined and then sells the refined products to resellers, retailers, or ultimate consumers. For the purposes of this publication, gas plant operator data are included in this category.

**Reformulated Gasoline:** See Motor Gasoline.

**Reseller:** A firm (other than a refiner) that carries on the trade or business of purchasing refined petroleum products and reselling them to purchasers other than ultimate consumers.

**Reseller/Retailer:** A firm (other than a refiner) that carries on the trade or business activities of both a reseller and a retailer; i.e., purchasing refined petroleum products and reselling them to purchasers who may be either ultimate or other than ultimate consumers.

**Residential:** Sales of No. 2 distillate and propane to individual customers or households (as opposed to businesses or institutions) who ostensibly use the fuel in a residence for space heating, cooking, etc. Sales to apartment buildings/complexes or to other multi-family dwellings are excluded from the "Residential Sales" category and are included in the "Commercial/Institutional Sales" category.

**Residual Fuel Oil:** A general classification for the heavier oils, known as No. 5 and No. 6 fuel oils, that remain after the distillate fuel oils and lighter hydrocarbons are distilled away in refinery operations. It conforms to ASTM Specification D 396 and D 975 and Federal Specification VV-F-815C. No. 5, a residual fuel oil of medium viscosity, is also known as Navy Special

and is defined in Military Specification MIL-F-859E, including Amendment 2 (NATO Symbol F-77). It is used in steam-powered vessels in government service and inshore powerplants. No. 6 fuel oil includes Bunker C fuel oil and is used for the production of electric power, space heating, vessel bunkering, and various industrial purposes.

**Retailer:** A firm (other than a refiner, reseller, or reseller/retailer) that carries on the trade or business of purchasing refined petroleum products and reselling them to ultimate consumers.

**Retail Outlet:** Any company-owned outlet (e.g., service station) selling gasoline, on-highway low-sulfur diesel fuel, or propane for on-highway vehicle use which is under the direct control of the firm filing the EIA-782 by virtue of the ability to set the retail product price and directly collect all or part of the retail margin. This category includes retail outlets: (1) being operated by salaried employees of the company and/or its subsidiaries and affiliates, and/or (2) involving personnel services contracted by the firm.

**Sale:** The transfer of title from the seller to a buyer for a price. Excludes intrafirm transfers, products consumed directly by the reporting firm, or sales of bonded fuel. Also excludes products delivered/loaned to exchange partners, except where the amount supplied exceeds the amount received and the differential is invoiced as a sale during the reference month.

**Sales for Resale:** Sales of refined petroleum products to purchasers who are other-than-ultimate consumers; wholesale sales.

**Sales to End Users:** Sales made directly to the consumer of the product. Includes bulk consumers such as agriculture, industry, and utilities, as well as residential and commercial consumers.

**Sales Type:** Sales categories of sales to end users and sales for resale.

**Sulfur:** A yellowish nonmetallic element, sometimes known as "brimstone." It is present at various levels of concentration in many fossil fuels whose combustion releases sulfur compounds that are considered harmful to the environment. Some of the most commonly used fossil fuels are categorized according to their sulfur content, with lower sulfur fuels usually selling at a higher price. *Note:* No. 2 Distillate fuel is currently reported as having either a 0.05 percent or lower sulfur level for on-highway vehicle use or a greater than 0.05 percent sulfur level for off-highway use, home heating oil, and commercial and industrial uses. Residual fuel, regardless of use, is classified as having either no more than 1 percent sulfur or greater than 1 percent sulfur. Coal is also classified as being low-sulfur at concentrations of 1 percent or less or high-sulfur at concentrations greater than 1 percent.

**Unit Price:** Total revenue derived from the sale of product during the reference month divided by the total volume sold; also known as the weighted average price. Total revenue excludes all taxes but includes transportation costs that were paid as part of the purchase price.

**United States:** For the crude oil statistics, the United States includes the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, and all American Territories and Possessions. For the petroleum products data, United States includes the 50 States and the District of Columbia.

**Wellhead:** The point at which the crude (and/or natural gas) exits the ground. Following historical precedent, the volume and price for crude oil production are labeled as "wellhead," even though the cost and volume are now generally measured at the lease boundary. In the context of domestic crude price data, the term "wellhead" is the generic term used to reference the production site or lease property.

# Articles

**Feature articles on energy-related subjects are frequently included in this publication. The following articles and special focus items have appeared in previous issues.**

<i>A Comparison of Selected EIA-782 Data With Other Data Sources . . . . .</i>	<b>December 1999</b>
<i>Propane Market Assessment for Winter 1997-1997 . . . . .</i>	<b>December 1997</b>
<i>A Contrast Between Distillate Fuel Oil Markets in Autumn 1996 and 1997 . . . . .</i>	<b>December 1997</b>
<i>A Comparison of Selected EIA-782 Data With Other Data Sources . . . . .</i>	<b>November 1997</b>
<i>Distillate Fuel Oil Assessment for Winter 1996-1997 . . . . .</i>	<b>December 1996</b>
<i>Propane Market Assessment for Winter 1996-1997 . . . . .</i>	<b>December 1996</b>
<i>Recent Distillate Fuel Oil Inventory Trends . . . . .</i>	<b>June 1996</b>
<i>Recent Trends in Motor Gasoline Stock Levels . . . . .</i>	<b>June 1996</b>
<i>Noncommercial Trading in the Energy Futures Market . . . . .</i>	<b>May 1996</b>
<i>1995 Reformulated Gasoline Market Affected Refiners Differently . . . . .</i>	<b>January 1996</b>
<i>Distillate Fuel Oil Assessment for Winter 1995-1996 . . . . .</i>	<b>November 1995</b>
<i>Propane Assessment for Winter 1995-1996 . . . . .</i>	<b>November 1995</b>
<i>Environmental Regulations and Changes in the Petroleum Refining Operations . . . . .</i>	<b>September 1995</b>
<i>What Drives Motor Gasoline Prices? . . . . .</i>	<b>June 1995</b>
<i>1995 Motor Gasoline Assessment . . . . .</i>	<b>May 1995</b>
<i>Results of the Office of Oil and Gas "Outlook Survey" . . . . .</i>	<b>March 1995</b>
<i>Distillate Fuel Oil Assessment for Winter 1994-1995 . . . . .</i>	<b>November 1994</b>
<i>Propane Assessment for Winter 1994-1995 . . . . .</i>	<b>November 1994</b>
<i>Sales of Fuel Oil and Kerosene in 1993 . . . . .</i>	<b>November 1994</b>
<i>Impact of New Low-Sulfur Diesel Requirements, October through December 1993 . . . . .</i>	<b>November 1994</b>

<i>Reformulated Gasoline Supply Issues</i> .....	<b>November 1994</b>
<i>A Comparison of Selected EIA-782 Data With Other Data Sources</i> .....	<b>October 1994</b>
<i>Demand, Supply, and Price Outlook for Reformulated Motor Gasoline 1995</i> .....	<b>August 1994</b>
<i>The Second Oxygenated Gasoline Season</i> .....	<b>June 1994</b>
<i>Changes to the 1994 Petroleum Marketing Monthly.</i> .....	<b>May 1994</b>
<i>Summer 1994 Motor Gasoline Outlook.</i> .....	<b>May 1994</b>
<i>Sales of Fuel Oil and Kerosene in 1992</i> .....	<b>December 1993</b>
<i>Low-Sulfur Diesel: Requirements and Impacts</i> .....	<b>December 1993</b>
<i>Distillate Fuel Oil Outlook for Winter 1993-94</i> .....	<b>November 1993</b>
<i>Propane Outlook for Winter 1993-1994.</i> .....	<b>November 1993</b>
<i>A Comparison of Selected EIA-782 Data with Other Data Sources</i> .....	<b>August 1993</b>
<i>The Economics of the Clean Air Act Amendments of 1990: Review of the 1992-1993 Oxygenated Motor Gasoline Season.</i> .....	<b>August 1993</b>
<i>Changes to Form EIA-782C "Monthly Report of Petroleum Products Sold into States for Consumption"</i> .....	<b>May 1993</b>
<i>Summer 1993 Motor Gasoline Outlook.</i> .....	<b>May 1993</b>
<i>Economics of Energy Futures Markets</i> .....	<b>September 1991</b>
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<i>Foreign Crude Oil Prices: The Differential Dilemma</i> .....	<b>May 1985</b>

<i>A Short-Term Analysis of the Effects of Concentration on Price in the Gasoline Market . . . . .</i>	<b>April 1985</b>
<i>Petroleum Marketing Monthly Initiates Crude Oil Data Series . . . . .</i>	<b>February 1985</b>
<i>Estimated Historic Time Series for the EIA-782 . . . . .</i>	<b>December 1983[3]</b>
<i>No. 2 Distillate Price and Sales Reflect a Period of Adjustment to Changing Market Conditions . . . . .</i>	<b>November 1983</b>
<i>The Consolidation of Petroleum Marketing Surveys . . . . .</i>	<b>April 1983</b>